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**NTISUB/C/139-001**

# **LANDSAT**

## **NON-U.S. STANDARD CATALOG**

**JANUARY 1, 1977**

**THROUGH**

**JANUARY 31, 1977**

**GSFC/LN-C/001**

**GODDARD SPACE FLIGHT CENTER**

**GREENBELT, MARYLAND**

**NATIONAL AERONAUTICS AND SPACE ADMINISTRATION**

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## INTRODUCTION

To provide dissemination of information regarding the availability of Landsat imagery, the Image Processing Facility (IPF), located at the Goddard Space Flight Center, publishes a U. S. and Non-U. S. Standard Catalog on a monthly schedule. These catalogs identify imagery which has been processed and input to the data files during the referenced month. The U. S. Standard Catalog includes imagery covering the continental United States, Alaska and Hawaii; the Non-U. S. Catalog identifies all the remaining coverage. Imagery adjacent to the continental U. S. and Alaska borders will normally appear in the U. S. Standard Catalog. As a supplement to these catalogs, the Landsat imagery of one spectral band is available on 16mm microfilm.

In addition to the routine monthly catalogs, the IPF annually publishes a cumulative U. S. and Non-U. S. Standard Catalog for each satellite, covering a year based on the launch date for that satellite. These catalogs include information on all observations acquired and processed by the facility during that year.

Film products for imagery listed in this catalog are available at a nominal price from all three agencies listed below. In addition, the 16mm microfilm can be purchased from the U. S. Department of the Interior (USDI) EROS Data Center and National Oceanic and Atmospheric Administration (NOAA). Digital tapes can be purchased only from the USDI EROS Data Center.

U. S. Department of Agriculture . . . . .	Aerial Photography Field Office 2505 Parley's Way Salt Lake City, Utah 84109
U. S. Department of Commerce . . . . .	Environment Data Service
National Oceanic and Atmospheric Administration	Satellite Data Service Branch D543 World Weather Building Room 606 Washington, D. C. 20233
U. S. Department of the Interior . . . . .	User Services Unit
Geological Survey	EROS Data Center Sioux Falls, South Dakota 57198

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## SECTION 1 — STANDARD CATALOG

### **1.1 MONTHLY CATALOGS**

The coverage sections contained in the monthly U.S. and Non-U.S. Standard Catalogs are divided into three parts. Part 1 (see Para. 1.1, A) consists of annotated maps which graphically depict the geographic areas covered by imagery listed in the current catalog. Part 2 (see Para. 1.1, B) contains a computer generated listing organized by observation identification number (ID) and includes pertinent information about each image. Part 3 (see Para. 1.1, C) provides a computer listing of observations organized by longitude/latitude.

A. Satellite Coverage Maps. These maps are segregated by cycle and depict the general location of observations listed in the catalog. The format and data content of these maps are slightly different in the U.S. and Non-U.S. catalogs.

1. U.S. Satellite Coverage Maps. Two separate map formats are presented in this catalog. One map outlines the continental U.S. and depicts the estimated cloud cover along each north to south subsatellite path. Each path is identified by actual orbit number and a cross reference, which matches the orbit number to the initial observation ID for that path. The second map provides an enlarged view of Alaska and Hawaii and displays the portion of an orbital pass for which coverage is available. This map does not include cloud cover estimates or orbit numbers.
2. Non-U.S. Satellite Coverage Map. A world outline map is provided with the portions of an orbital swath for which observations are available graphically displayed. This map is intended solely to inform the user as to whether or not coverage is included in the catalog for his area of interest. It is not intended as a rapid reference to specific observations.

B. Observation Identification Number (ID) Listing. The data format for the observation ID listing is identical in the U.S. and Non-U.S. Catalogs. Observation ID numbers are listed in a sequential manner from smallest number to largest. Associated with each ID number in the list is pertinent information about that observation. A sample catalog page with a description of each data item is shown in Figure 1-1.

## 1. Sample Observation ID Format. See Figure 1-1.

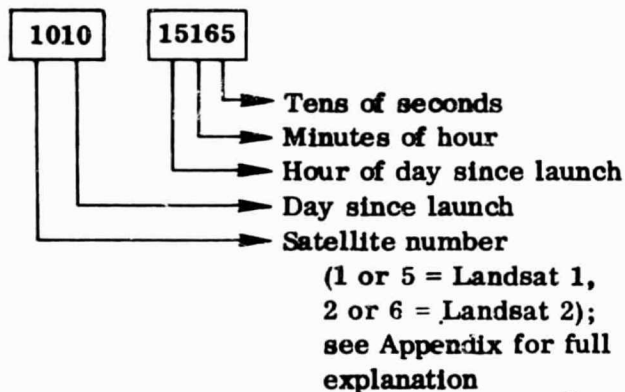
<div> <div>① 20 42 OCT 62, 75</div> <div>② FROM 09/01/75 TO 02/31/75</div> </div>											
③	④	⑤	⑥	⑦	⑧	⑨	⑩	⑪	⑫		
OBSERVATION ID	MICROFILM ROLL NO / POSITION IN ROLL RBV	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV	SUN AZIM	IMAGE QUALITY RBV	MSS DATA MODE	MSS IMAGE GAIN	
2218-14563	00000/0000	2-10010/0718	08/28/75	70	3038	3435N 07514W	52.1	123.5	11GG		
2218-14570	00000/0000	2-10010/0719	08/28/75	80	3038	3310N 07540W	52.6	121.4	11GG		
2218-14572	00000/0000	2-10010/0720	08/28/75	60	3038	3143N 07605W	53.1	119.4	1GGG		
2218-14575	00000/0000	2-10010/0721	08/28/75	70	3038	3017N 07630W	53.6	117.4	1GGG		
2218-14581	00000/0000	2-10010/0722	08/28/75	50	3038	2851N 07654W	54.1	115.3	GG		II
2218-15190	00000/0000	2-10010/0723	08/28/75	90	3040	4850N 12140W	44.8	150.6	11FF		
2218-18192	00000/0000	2-10010/0724	08/28/75	90	3040	4725N 12218W	45.6	139.0	11FF		
2218-18195	00000/0000	2-10010/0725	08/28/75	90	3040	4600N 12251W	46.5	137.6	11FF		

⑬ KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER  
 IMAGE QUALITY ..... BLANKS = BAND NOT AVAILABLE G = GOOD P = POOR L = FAIR  
 MSS DATA MODE ..... (BLANK) = COMPRESSED, L = LINEAR  
 MSS IMAGE GAIN ..... (BLANK) = LOW GAIN, II = HIGH GAIN

Figure 1-1. Observation ID Listing for Standard Catalog

## 2. Description of Data Items

- ① Date of catalog listing
- ② Period during which imagery was processed
- ③ Observation ID



- ④ RBV and MSS microfilm roll and image position on roll; note: RBV and MSS images for a given observation may be on two different microfilm rolls
- ⑤ Date of observation
- ⑥ Estimated percent of cloud cover
- ⑦ Orbit number
- ⑧ Latitude and longitude at observation center (degrees and minutes)
- ⑨ Sun elevation and azimuth at observation center
- ⑩ Image quality; see key
- ⑪ MSS Data Mode; blank indicates the spacecraft signal compression mode was used to acquire bands 4, 5 and 6; "L" indicates all bands were acquired in the linear mode. See Landsat Data Users Handbook for further information.
- ⑫ MSS Image Gain; blank indicates all bands were acquired in low gain mode; "H" indicates bands 4 and 5 were acquired by the spacecraft in the high gain mode. See Landsat Data Users Handbook for further information.
- ⑬ Keys

- C. **Longitude/Latitude Listing.** The data format for the longitude/latitude listing is identical in the U.S. and Non-U.S. Catalogs. This listing contains the same observations as the observation ID listing but organizes them by coordinates, using image center location information for each observation. Observations in this listing will be sorted first by longitude and, within longitude, by latitude. The longitude/latitude listing is arranged in the following manner:

180-0 degrees East; 90-0 degrees North and 0-90 degrees South  
followed by  
0-180 degrees West; 90-0 degrees North and 0-90 degrees South

This listing is intended to be used as a tool for locating specific coverage, and once a specific observation has been identified, pertinent information about it can be found by referring to the ID listing.

Figure 1-2 below shows a sample catalog page with a description of each data item.

# 1. Sample Longitude/Latitude Format. See Figure 1-2.

① 01 03 JAN 28, '76				② FROM 12/01/75 TO 12/31/75							
③	④	⑤	⑥	③	④	⑤	⑥	③	④	⑤	⑥
PRINCIPAL PT OF IMAGE LONG LAT	OBSERVATION ID	CC %	QUALITY RBY MSS 12345678	PRINCIPAL PT OF IMAGE LONG LAT	OBSERVATION ID	CC %	QUALITY RBY MSS 12345678	PRINCIPAL PT OF IMAGE LONG LAT	OBSERVATION ID	CC %	QUALITY RBY MSS 12345678
17923E 5430N	2297-22232	40	FFFF	15632W 5840N	2300-20560	30	FFFF	16312W 5718N	2304-21192	100	FGGG
17837E 5306N	2297-22234	50	FFFF	15641W 5838N	2269-21223	90	FFFF	16324W 5435N	2321-21141	80	GGG
17428E 5558N	2319-22453	80	GGGG	15652W 5557N	2317-20505	40	GGG	16324W 5431N	2303-21142	80	FFFF
17340E 5434N	2319-22460	40	GFGF	15653W 5555N	2299-20510	100	FFFF	16327W 6245N	2289-21350	70	F
12916W 5842N	2299-19070	30	FFFF	15700W 6003N	2301-21012	90	FFFF	16340W 5841N	2305-21243	80	GFGG
13011W 5719N	2299-19072	50	F	15723W 6124N	2302-21063	80	FFFG	16403W 5554N	2304-21194	70	GGG
13102W 5555N	2299-19075	90	FF F	15727W 5716N	2300-20562	40	FFFF	16409W 5311N	2321-21143	100	GFGG
13150W 5432N	2299-19081	80	FF F	15741W 5432N	2317-20512	80	GFGF	16409W 5507N	2303-21145	90	FFFF

⑦ KEYS CLOUD COVER % 0 TO 100 - % CLOUD COVER  
IMAGE QUALITY BLANKS - BAND NOT AVAILABLE L - GOOD P - POOR F - FAIR

Figure 1-2. Coordinate Listing for Standard Catalog

# 2. Description of Data Items

- |  |                                    |
|--|------------------------------------|
| ① Date of catalog listing  | ⑤ Estimated percent of cloud cover |
| ② Period during which imagery was processed                          | ⑥ Image quality; see key           |
| ③ Longitude and latitude at observation center (degrees and minutes) | ⑦ Keys                             |
| ④ Observation ID (see Fig. 1-1, Para. 1.1, B, 2)                     |                                    |

## 1.2 CUMULATIVE STANDARD CATALOGS

Annually, a cumulative catalog is produced which includes information covering all observations and coordinates acquired and processed by the IPF during that year.

### A. Observation ID Listing.

1. Sample Observation ID Format. See Figure 1-1.
2. Description of Data Items. See Paragraph 1.1, B, 2.

### B. Coordinate Listing. The coordinate listing format contains the same information found in the observation ID listing, but is sorted by longitude/latitude.

1. Sample Coordinate Listing Format. See Figure 1-3.

① 01:42 SEP 30, '75		② FROM 07/23/74 TO 07/23/75													
③		④	⑤		⑥	⑦	⑧	⑨	⑩		⑪	⑫			
PRINCIPAL POINT OF IMAGE		OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL		DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE QUALITY		MSS DATA MODE	MSS IMAGE GAIN		
LONG	LAT		RBV	MSS						RBV	MSS				
123										4	5	6	7	8	
11555W	6128N	1817-18222	00000/0000	20050/1486	10/18/74	100	1393	17.7	162.8		GPPG				
11555W	2854N	1843-17334	00000/0000	1-20052/0105	11/13/74	60	1755	35.6	146.0		GPGP				
11555W	2851N	1861-17325	00000/0000	1-20052/0579	12/01/74	80	2006	31.7	147.0		P GPG				
11556W	7533N	1760-19453	00000/0000	20049/0149	08/22/74	0	599	26.2	180.1		P GGG				
11556W	2848N	1879-17321	00000/0000	1-20053/0085	12/19/74	90	2257	29.4	146.0		F PF				H
11557W	2851N	5059-17233	00000/0000	1-20058/0255	06/17/75	80	4767	58.1	91.6		G GGG				
11559W	7644N	1745-20025	00000/0000	1-20047/1484	08/07/74	10	390	29.7	184.0		G GPG				
11559W	7528N	1778-19445	00000/0000	1-20049/0949	09/09/74	50	850	19.8	181.2		G PGG				

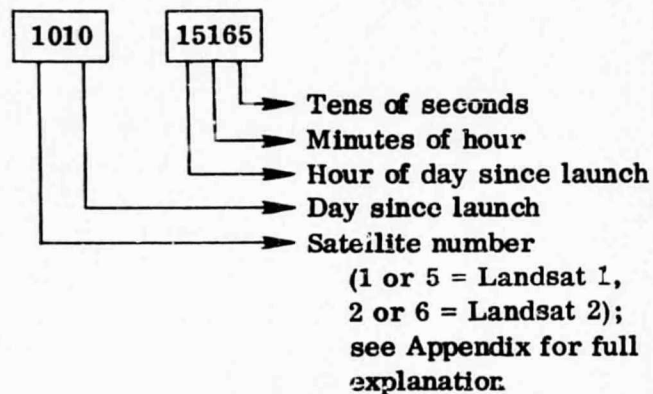
⑬ KEYS: CLOUD COVER % . . . . . 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY . . . . . BLANKS = BAND NOT AVAILABLE. G = GOOD. P = POOR. F = FAIR.  
 MSS DATA MODE . . . . . (BLANK) = COMPRESSED, L = LINEAR.  
 MSS IMAGE GAIN . . . . . (BLANK) = LOW GAIN, H = HIGH GAIN.

Figure 1-3. Coordinate Listing for Cumulative Standard Catalog



## 2. Description of Data Items

- ① Date of catalog listing
- ② Period during which imagery was processed
- ③ Observation ID



- ④ RBV and MSS microfilm roll and image position on roll; note: RBV and MSS images for a given observation may be on two different microfilm rolls
- ⑤ Date of observation
- ⑥ Estimated percent of cloud cover
- ⑦ Orbit number
- ⑧ Latitude and longitude at observation center (degrees and minutes)
- ⑨ Sun elevation and azimuth at observation center
- ⑩ Image quality; see key
- ⑪ MSS Data Mode; blank indicates that the spacecraft signal compression mode was used to acquire bands 4, 5 and 6; "L" indicates all bands were acquired in the linear mode. See Landsat Data Users Handbook for further information.
- ⑫ MSS Image Gain; blank indicates all bands were acquired in low gain mode; "H" indicates bands 4 and 5 were acquired by the spacecraft in the high gain mode.
- ⑬ Keys

## SECTION 2 — MICROFILM

### GENERAL

The Image Processing Facility produces a 16 mm microfilm inventory of imagery processed during the referenced month and is organized for convenient use with the Standard Catalog.

As in the case of the Standard Catalog, the microfilm data is divided into U.S. and Non-U.S. segments. Each set of microfilm images is in exact correspondence to a Standard Catalog and can be used in conjunction with the catalog for selecting desired images. A maximum of 1900 images will be contained on one roll of 16 mm x 100 ft microfilm. Because the microfilm images are intended to provide only a summary of the data available, the images are limited to one band each for the RBV and MSS. Although a single observation will produce seven images, in the production of microfilm only the RBV Spectral Band 2 images (0.580 - 0.680 microns) and MSS Spectral Band 2 images (0.6 - 0.7 microns) are reproduced. Each image is a photograph of a 70 mm (-2) image and contains the image identifier and annotation block. See Figure 2-1.

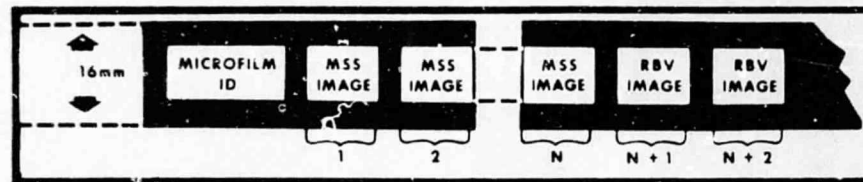


Figure 2-1. Microfilm Format

Microfilm roll numbers contain six digits. The first digit designates the satellite number (blank or 1- = LANDSAT 1, 2- = LANDSAT 2). Example: Roll number 10032 and roll number 1-10034 are both LANDSAT 1 rolls. Roll 2-10032 is a LANDSAT 2 roll. The second digit will be a 1 (for U.S. rolls) or a 2 (for Non-U.S. rolls). The remaining digits are used to number sequentially all microfilm rolls prepared within each group. Example: Roll number 10001 is the first U.S. roll of microfilm produced for LANDSAT 1. Roll number 20004 is the fourth Non-U.S. roll to be produced for LANDSAT 1. The first U.S. roll of microfilm for LANDSAT 2 is number 2-10001.

The microfilm contains two rapid search capabilities to help the user quickly reach the desired scene. They are:

- Code Line Indexing
- Blip Encoding

## 2.2 CODE LINE INDEXING

The Landsat microfilm images have been annotated with visual code lines to the right of each frame. The visual code lines graduate up the edge of the screen as the film advances and allow the user to advance rapidly to within 20 frames of his desired image. See Figure 2-2.

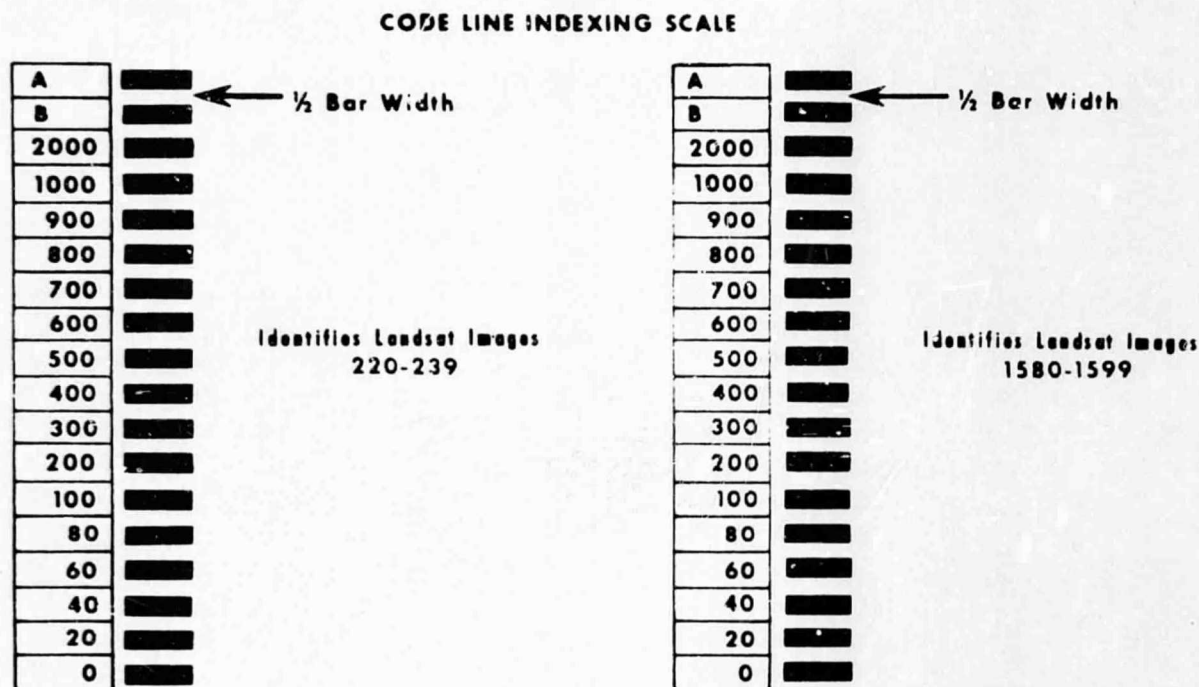


Figure 2-2. Code Line Indexing Scale

To utilize this system, a user must generate a code line indexing bar scale to attach to the face of his viewers. The size and spacing for the bar scale is dependent upon the magnification of his viewer. Landsat imagery is microfilmed at a reduction ratio of 8.5x. To determine the overall length of a scale required for your microfilm reader, multiply 7.4 mm by the enlargement factor of your lens. To determine the bar widths along the bar scale, Multiply 0.24 mm by the same factor. A space between each bar should exist that is 1/2 the bar width.

### 2.3 BLIP ENCODING

The LANDSAT microfilm images have also been annotated with a blip (black spot) at the base of each frame. This type of encoding is designed for use on readers with an electronic sensing and counting capability or an odometer. To use the blip encoding retrieval system, the film will have to be placed in a cartridge. When the cartridge is placed in a reader which contains an odometer or has a keyboard attached, the identification of the desired image is obtained from the Standard Catalog (column 6, Microfilm Position) and either punched on the keyboard or read via the odometer as the film advances. Using a reader configured for rapid search and retrieval, the film advances and the frames (blips) are counted by means of a photosensing light. When the appropriate number has been counted, the reader stops and the desired image is projected on the screen. Using a reader with an odometer requires the user to monitor the odometer as the film advances and stop the advance of the film in the vicinity of the required frame.

SECTION 3 - CYCLE CHARTS  
SECTION 3.1 - LANDSAT 1 CYCLES

Cycle	Days Since Launch		Calendar Date		Cycle	Days Since Launch		Calendar Date	
	Begin	End	Begin	End		Begin	End	Begin	End
First 8 days	1	8	24 Jul 72	31 Jul 72	16	279	296	28 Apr 73	15 May 73
1	9	26	1 Aug 72	18 Aug 72	17	297	314	16 May 73	2 Jun 73
2	27	44	19 Aug 72	5 Sep 72	18	315	332	3 Jun 73	20 Jun 73
3	45	62	6 Sep 72	23 Sep 72	19	333	350	21 Jun 73	8 Jul 73
4	63	80	24 Sep 72	11 Oct 72	20	351	368	9 Jul 73	26 Jul 73
5	81	98	12 Oct 72	29 Oct 72	21	369	386	27 Jul 73	13 Aug 73
6	99	116	30 Oct 72	16 Nov 72	22	387	404	14 Aug 73	31 Aug 73
7	117	134	17 Nov 72	4 Dec 72	23	405	422	1 Sep 73	18 Sep 73
8	135	152	5 Dec 72	22 Dec 72	24	423	440	19 Sep 73	6 Oct 73
9	153	170	23 Dec 72	9 Jan 73	25	441	458	7 Oct 73	24 Oct 73
10	171	188	10 Jan 73	27 Jan 73	26	459	476	25 Oct 73	11 Nov 73
11	189	206	28 Jan 73	14 Feb 73	27	477	494	12 Nov 73	29 Nov 73
12	207	224	15 Feb 73	4 Mar 73	28	495	512	30 Nov 73	17 Dec 73
13	225	242	5 Mar 73	22 Mar 73	29	513	530	18 Dec 73	4 Jan 74
14	243	260	23 Mar 73	9 Apr 73	30	531	548	5 Jan 74	22 Jan 74
15	261	278	10 Apr 73	27 Apr 73	31	549	566	23 Jan 74	9 Feb 74



# SECTION 3.1 - LANDSAT 1 CYCLES

Cycle	Days Since Launch		Calendar Date		Cycle	Days Since Launch		Calendar Date	
	Begin	End	Begin	End		Begin	End	Begin	End
32	567	584	10 Feb 74	27 Feb 74	48	855	872	25 Nov 74	12 Dec 74
33	585	602	28 Feb 74	17 Mar 74	49	873	890	13 Dec 74	30 Dec 74
34	603	620	18 Mar 74	4 Apr 74	50	891	908	31 Dec 74	17 Jan 75
35	621	638	5 Apr 74	22 Apr 74	51	909	926	18 Jan 75	4 Feb 75
36	639	656	23 Apr 74	11 May 74	52	927	944	5 Feb 75	22 Feb 75
37	657	674	12 May 74	28 May 74	53	945	962	23 Feb 75	12 Mar 75
38	675	692	29 May 74	15 Jun 74	54	963	980	13 Mar 75	30 Mar 75
39	693	710	16 Jun 74	3 Jul 74	55	981	998	31 Mar 75	17 Apr 75
40	711	728	4 Jul 74	21 Jul 74	56	999	1016	18 Apr 75	5 May 75
41	729	746	22 Jul 74	8 Aug 74	57	1017	1034	6 May 75	23 May 75
42	747	764	9 Aug 74	26 Aug 74	58	1035	1052	24 May 75	10 Jun 75
43	765	782	27 Aug 74	13 Sep 74	59	1053	1070	11 Jun 75	28 Jun 75
44	783	800	14 Sep 74	1 Oct 74	60	1071	1088	29 Jun 75	16 Jul 75
45	801	818	2 Oct 74	19 Oct 74	61	1089	1106	17 Jul 75	3 Aug 75
46	819	836	20 Oct 74	6 Nov 74	62	1107	1124	4 Aug 75	21 Aug 75
47	837	854	7 Nov 74	24 Nov 74	63	1125	1142	22 Aug 75	8 Sep 75

# SECTION 3.1 — LANDSAT 1 CYCLES

Cycle	Days Since Launch		Calendar Date		Cycle	Days Since Launch		Calendar Date	
	Begin	End	Begin	End		Begin	End	Begin	End
64	1143	1160	9 Sep 75	26 Sep 75	80	1431	1448	23 Jun 76	10 Jul 76
65	1161	1178	27 Sep 75	14 Oct 75	81	1449	1466	11 Jul 76	28 Jul 76
66	1179	1196	15 Oct 75	1 Nov 75	82	1467	1484	29 Jul 76	15 Aug 76
67	1197	1214	2 Nov 75	19 Nov 75	83	1485	1502	16 Aug 76	2 Sep 76
68	1215	1232	20 Nov 75	7 Dec 75	84	1503	1520	3 Sep 76	20 Sep 76
69	1233	1250	8 Dec 75	25 Dec 75	85	1521	1538	21 Sep 76	8 Oct 76
70	1251	1268	26 Dec 75	12 Jan 76	86	1539	1556	9 Oct 76	26 Oct 76
71	1269	1286	13 Jan 76	30 Jan 76	87	1557	1574	27 Oct 76	13 Nov 76
72	1287	1304	31 Jan 76	17 Feb 76	88	1575	1592	14 Nov 76	1 Dec 76
73	1305	1322	18 Feb 76	6 Mar 76	89	1593	1610	2 Dec 76	19 Dec 76
74	1323	1340	7 Mar 76	24 Mar 76	90	1611	1628	20 Dec 76	6 Jan 77
75	1341	1358	25 Mar 76	11 Apr 76	91	1629	1646	7 Jan 77	24 Jan 77
76	1359	1376	12 Apr 76	29 Apr 76	92	1647	1664	25 Jan 77	11 Feb 77
77	1377	1394	30 Apr 76	17 May 76	93	1665	1682	12 Feb 77	1 Mar 77
78	1395	1412	18 May 76	4 Jun 76	94	1683	1700	2 Mar 77	19 Mar 77
79	1413	1430	5 Jun 76	22 Jun 76	95	1701	1718	20 Mar 77	6 Apr 77

## SECTION 3.2 — LANDSAT 2 CYCLES

Cycle	Days Since Launch		Calendar Date		Cycle	Days Since Launch		Calendar Date	
	Begin	End	Begin	End		Begin	End	Begin	End
First 22 days	1	22	22 Jan 75	13 Feb 75	19	347	364	4 Jan 76	21 Jan 76
1	23	40	14 Feb 75	3 Mar 75	20	365	382	22 Jan 76	8 Feb 76
2	41	58	4 Mar 75	21 Mar 75	21	383	400	9 Feb 76	26 Feb 76
3	59	76	22 Mar 75	8 Apr 75	22	401	418	27 Feb 76	15 Mar 76
4	77	94	9 Apr 75	26 Apr 75	23	419	436	16 Mar 76	2 Apr 76
5	95	112	27 Apr 75	14 May 75	24	437	454	3 Apr 76	20 Apr 76
6	113	130	15 May 75	1 Jun 75	25	455	472	21 Apr 76	8 May 76
7	131	148	2 Jun 75	19 Jun 75	26	473	490	9 May 76	26 May 76
8	149	188	20 Jun 75	7 Jul 75	27	491	508	27 May 76	13 Jun 76
9	167	184	8 Jul 75	25 Jul 75	28	509	526	14 Jun 76	1 Jul 76
10	185	202	26 Jul 75	12 Aug 75	29	527	544	2 Jul 76	19 Jul 76
11	203	220	13 Aug 75	30 Aug 75	30	545	562	20 Jul 76	6 Aug 76
12	221	238	31 Aug 75	17 Sep 75	31	563	580	7 Aug 76	24 Aug 76
13	239	256	18 Sep 75	5 Oct 75	32	581	598	25 Aug 76	11 Sep 76
14	257	274	6 Oct 75	23 Oct 75	33	599	616	12 Sep 76	29 Sep 76
15	275	292	24 Oct 75	10 Nov 75	34	617	634	30 Sep 76	17 Oct 76
16	293	310	11 Nov 75	28 Nov 75	35	635	652	18 Oct 76	4 Nov 76
17	311	328	29 Nov 75	16 Dec 75	36	653	670	5 Nov 76	22 Nov 76
18	329	346	17 Dec 75	3 Jan 76	37	671	688	23 Nov 76	10 Dec 76



**SECTION 4**  
**LANDSAT 1 COVERAGE**



NO LANDSAT 1 DATA HAS BEEN ACQUIRED DURING DECEMBER.

# **SECTION 5**

## **LANDSAT 2 COVERAGE**

**LANDSAT 2**  
**OBSERVATION ID LISTING**

18:23 FEB 17, '77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/01/77 TO 01/31/77

PAGE 0020

OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL RBV	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN
2695-03302	00000/0000 2-20038/0004	12/17/76	10	9683	4727N 09659E	14.4	152.3	GGFG		
2695-03304	00000/0000 2-20038/0005	12/17/76	10	9683	4602N 09623E	15.5	151.7	GGFG		
2695-03311	00000/0000 2-20038/0006	12/17/76	0	9683	4437N 09549E	16.5	151.1	GGGG		
2695-03313	00000/0000 2-20038/0007	12/17/76	10	9683	4312N 09516E	17.6	150.4	GGGG		
2695-03320	00000/0000 2-20038/0008	12/17/76	10	9683	4147N 09445E	18.7	149.8	GGGG		
2695-03322	00000/0000 2-20038/0009	12/17/76	10	9683	4021N 09415E	19.8	149.2	FFGF		
2695-03325	00000/0000 2-20038/0010	12/17/76	20	9683	3856N 09346E	20.9	148.6	FGGG		
2695-03331	00000/0000 2-20038/0011	12/17/76	20	9683	3730N 09318E	21.9	148.0	FGGG		
2695-03334	00000/0000 2-20038/0012	12/17/76	10	9683	3604N 09251E	23.0	147.4	GGGG		
2695-03340	00000/0000 2-20038/0013	12/17/76	10	9683	3438N 09225E	24.0	146.7	FGGG		
2695-03343	00000/0000 2-20038/0014	12/17/76	0	9683	3312N 09159E	25.1	146.1	GGGG		
2695-03345	00000/0000 2-20038/0015	12/17/76	0	9683	3146N 09133E	26.1	145.4	GGGG		
2695-03352	00000/0000 2-20038/0016	12/17/76	0	9683	3021N 09108E	27.1	144.7	GGGG		
2695-03354	00000/0000 2-20038/0017	12/17/76	0	9683	2855N 09044E	28.2	144.1	GGGG		
2695-03361	00000/0000 2-20038/0018	12/17/76	10	9683	2729N 09019E	29.2	143.3	GFGG		
2695-03363	00000/0000 2-20038/0019	12/17/76	10	9683	2602N 08955E	30.2	142.6	GGGG		
2695-03370	00000/0000 2-20038/0020	12/17/76	10	9683	2436N 08932E	31.1	141.8	FFGG		
2695-03372	00000/0000 2-20038/0001	12/17/76	30	9683	2310N 08909E	32.1	141.1	G GG		
2695-03375	00000/0000 2-20038/0002	12/17/76	40	9683	2143N 08847E	33.1	140.2	G GG		
2695-03381	00000/0000 2-20038/0021	12/17/76	40	9683	2016N 08825E	34.0	139.4	GGF		
2695-03395	00000/0000 2-20038/0022	12/17/76	80	9683	1430N 08700E	37.6	135.8	FGGF		
2695-05115	00000/0000 2-20038/0023	12/17/76	70	9684	5307N 07346E	9.9	154.8	GGGG		
2695-05122	00000/0000 2-20038/0024	12/17/76	40	9684	5142N 07303E	11.1	154.1	GGGG		
2695-05124	00000/0000 2-20038/0025	12/17/76	10	9684	5017N 07223E	12.2	153.5	GGGG		
2695-05131	00000/0000 2-20038/0026	12/17/76	20	9684	4851N 07145E	13.3	152.9	GGFG		
2695-05133	00000/0000 2-20038/0027	12/17/76	70	9684	4727N 07108E	14.4	152.3	GGGG		
2695-05140	00000/0000 2-20038/0028	12/17/76	30	9684	4602N 07032E	15.5	151.6	GGGG		
2695-05142	00000/0000 2-20038/0029	12/17/76	100	9684	4438N 06958E	16.5	151.0	GFGG		
2695-05145	00000/0000 2-20038/0030	12/17/76	50	9684	4312N 06925E	17.6	150.4	GGG		
2695-05151	00000/0000 2-20038/0031	12/17/76	80	9684	4147N 06854E	18.7	149.8	GGGF		
2695-05154	00000/0000 2-20038/0032	12/17/76	50	9684	4021N 06824E	19.8	149.2	GFGG		
2695-05160	00000/0000 2-20038/0003	12/17/76	10	9684	3856N 06755E	20.9	148.6	G GG		
2695-05163	00000/0000 2-20038/0033	12/17/76	60	9684	3730N 06726E	21.9	148.0	GGGG		
2695-05165	00000/0000 2-20038/0034	12/17/76	10	9684	3604N 06659E	23.0	147.4	GFGG		
2695-05172	00000/0000 2-20038/0035	12/17/76	0	9684	3438N 06632E	24.0	146.7	GGGG		
2695-05174	00000/0000 2-20038/0036	12/17/76	0	9684	3312N 06607E	25.1	146.1	GGGG		

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

18123 FEB 17, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/01/77 TO 01/31/77

PAGE 0021

OBSERVATION ID	MICROFILM ROL POSITION IN ROL RBV	ROL NO. IN ROL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN
2695-05181	00000/0000	2-20038/0037	12/17/76	0	9684	3145N	06542E	26.1	145.4	GGGG		
2695-05183	00000/0000	2-20038/0038	12/17/76	0	9684	3020N	06517E	27.1	144.7	FGGG		
2695-05190	00000/0000	2-20038/0039	12/17/76	0	9684	2854N	06452E	28.2	144.0	GGG		
2695-05192	00000/0000	2-20038/0040	12/17/76	0	9684	2728N	06428E	29.2	143.3	GGGG		
2695-05195	00000/0000	2-20038/0041	12/17/76	0	9684	2601N	06405E	30.2	142.6	GGGF		
2695-05201	00000/0000	2-20038/0042	12/17/76	0	9684	2435N	06342E	31.1	141.8	FFFF		
2695-05204	00000/0000	2-20038/0043	12/17/76	10	9684	2309N	06320E	32.1	141.0	GFFG		
2695-05210	00000/0000	2-20038/0044	12/17/76	10	9684	2142N	06258E	33.1	140.2	FFGG		
2696-03360	00000/0000	2-20038/0045	12/18/76	90	9697	4727N	09531E	14.3	152.1	FGGG		
2696-03362	00000/0000	2-20038/0046	12/18/76	60	9697	4602N	09456E	15.4	151.5	FFGG		
2696-03365	00000/0000	2-20038/0047	12/18/76	20	9697	4436N	09422E	16.5	150.9	FGGG		
2696-03371	00000/0000	2-20038/0048	12/18/76	20	9697	4311N	09349E	17.6	150.3	FGGG		
2696-03374	00000/0000	2-20038/0049	12/18/76	10	9697	4145N	09318E	18.6	149.7	FGGG		
2696-03380	00000/0000	2-20038/0050	12/18/76	0	9697	4020N	09248E	19.7	149.1	GGG		
2696-03383	00000/0000	2-20038/0051	12/18/76	10	9697	3854N	09219E	20.8	148.5	FGGG		
2696-03385	00000/0000	2-20038/0052	12/18/76	80	9697	3729N	09151E	21.9	147.9	FGGG		
2696-03392	00000/0000	2-20038/0053	12/18/76	60	9697	3603N	09123E	22.9	147.3	GGGG		
2696-03394	00000/0000	2-20038/0054	12/18/76	40	9697	3437N	09057E	24.0	146.6	GGGF		
2696-03401	00000/0000	2-20038/0055	12/18/76	20	9697	3311N	09030E	25.0	146.0	GGGG		
2696-03403	00000/0000	2-20038/0056	12/18/76	10	9697	3145N	09005E	26.0	145.3	FGGG		
2696-03410	00000/0000	2-20038/0057	12/18/76	0	9697	3019N	08940E	27.1	144.6	GGGG		
2696-03412	00000/0000	2-20038/0058	12/18/76	0	9697	2853N	08915E	28.1	143.9	GGGG		
2696-03415	00000/0000	2-20038/0059	12/18/76	10	9697	2727N	08852E	29.1	143.2	GGGG		
2696-03421	00000/0000	2-20038/0060	12/18/76	30	9697	2601N	08828E	30.1	142.5	GGGG		
2696-03424	00000/0000	2-20038/0061	12/18/76	70	9697	2435N	08806E	31.0	141.7	GGGG		
2696-03430	00000/0000	2-20038/0062	12/18/76	60	9697	2308N	08744E	32.0	141.0	GGGG		
2696-03433	00000/0000	2-20038/0063	12/18/76	40	9697	2142N	08721E	33.0	140.2	FGGG		
2696-03435	00000/0000	2-20038/0064	12/18/76	30	9697	2016N	08659E	33.9	139.3	FGGG		
2696-03442	00000/0000	2-20038/0065	12/18/76	70	9697	1849N	08638E	34.8	138.5	GFGG		
2696-03444	00000/0000	2-20038/0066	12/18/76	50	9697	1722N	08616E	35.8	137.6	GFGF		
2696-03451	00000/0000	2-20038/0067	12/18/76	30	9697	1555N	08555E	36.7	136.7	GGGG		
2696-03453	00000/0000	2-20038/0068	12/18/76	60	9697	1428N	08534E	37.5	135.7	GGGG		
2696-05173	00000/0000	2-20038/0069	12/18/76	90	9698	5305N	07220E	9.9	154.7	GGGF		
2696-05180	00000/0000	2-20038/0070	12/18/76	90	9698	5141N	07138E	11.0	154.0	GGGF		
2696-05182	00000/0000	2-20038/0071	12/18/76	30	9698	5016N	07057E	12.1	153.4	GGGG		
2696-05185	00000/0000	2-20038/0072	12/18/76	20	9698	4852N	07019E	13.2	152.8	GGGG		

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

18:23 FEB 17, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/01/77 TO 01/31/77

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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN
2696-05191	00000/0000	2-20038/0073	12/18/76	50	9698	4727N 06942E	14.3	152.1	GGFG		
2696-05194	00000/0000	2-20038/0074	12/18/76	100	9698	4602N 06907E	15.4	151.5	GGGG		
2696-05200	00000/0000	2-20038/0075	12/18/76	100	9698	4437N 06833E	16.5	150.9	GGGG		
2696-05203	00000/0000	2-20038/0076	12/18/76	90	9698	4311N 06801E	17.6	150.3	FFFF		
2696-05205	00000/0000	2-20038/0077	12/18/76	90	9698	4146N 06730E	18.6	149.7	GGGG		
2696-05212	00000/0000	2-20038/0078	12/18/76	40	9698	4020N 06659E	19.7	149.1	FFFP		
2696-05214	00000/0000	2-20038/0079	12/18/76	70	9698	3855N 06630E	20.8	148.5	GGFG		
2696-05221	00000/0000	2-20038/0080	12/18/76	20	9698	3729N 06601E	21.9	147.9	GGFG		
2696-05223	00000/0000	2-20038/0081	12/18/76	10	9698	3603N 06534E	22.9	147.3	GGFG		
2696-05230	00000/0000	2-20038/0082	12/18/76	0	9698	3437N 06507E	24.0	146.6	GGGG		
2696-05232	00000/0000	2-20038/0083	12/18/76	0	9698	3311N 06441E	25.0	146.0	GGGG		
2696-05235	00000/0000	2-20038/0084	12/18/76	0	9698	3145N 06415E	26.0	145.3	GGGG		
2696-05241	00000/0000	2-20038/0085	12/18/76	10	9698	3019N 06351E	27.1	144.6	GGGG		
2696-05244	00000/0000	2-20038/0086	12/18/76	10	9698	2853N 06327E	28.1	143.9	GGGG		
2696-05250	00000/0000	2-20038/0087	12/18/76	10	9698	2727N 06303E	29.1	143.2	FGGG		
2696-05253	00000/0000	2-20038/0088	12/18/76	10	9698	2600N 06239E	30.1	142.5	GGGG		
2696-05255	00000/0000	2-20038/0089	12/18/76	20	9698	2434N 06217E	31.0	141.7	FFFP		
2696-05262	00000/0000	2-20038/0090	12/18/76	80	9698	2308N 06155E	32.0	140.9	GGFF		
2697-03412	00000/0000	2-20038/0279	12/19/76	80	9711	4852N 09443E	13.1	152.6	GGFF		
2697-03414	00000/0000	2-20038/0280	12/19/76	70	9711	4727N 09406E	14.2	152.0	GGGG		
2697-03421	00000/0000	2-20038/0281	12/19/76	60	9711	4601N 09331E	15.3	151.4	GGGG		
2697-03423	00000/0000	2-20038/0282	12/19/76	60	9711	4436N 09257E	16.4	150.8	FFGF		
2697-03430	00000/0000	2-20038/0283	12/19/76	30	9711	4310N 09224E	17.5	150.2	FFFG		
2697-03432	00000/0000	2-20038/0284	12/19/76	80	9711	4145N 09153E	18.6	149.6	FFGF		
2697-03435	00000/0000	2-20038/0285	12/19/76	0	9711	4019N 09123E	19.7	149.0	FGGG		
2697-03441	00000/0000	2-20038/0286	12/19/76	0	9711	3854N 09054E	20.7	148.4	FGGG		
2697-03444	00000/0000	2-20038/0287	12/19/76	10	9711	3729N 09026E	21.8	147.8	GGGG		
2697-03450	00000/0000	2-20038/0288	12/19/76	0	9711	3603N 08958E	22.8	147.2	GGGG		
2697-03453	00000/0000	2-20038/0289	12/19/76	0	9711	3437N 08931E	23.9	146.5	GGGG		
2697-03455	00000/0000	2-20038/0290	12/19/76	0	9711	3311N 08905E	24.9	145.9	GGGG		
2697-03462	00000/0000	2-20038/0291	12/19/76	0	9711	3145N 08839E	26.0	145.2	GGGG		
2697-03464	00000/0000	2-20038/0292	12/19/76	0	9711	3019N 08814E	27.0	144.5	GGGG		
2697-03471	00000/0000	2-20038/0293	12/19/76	0	9711	2852N 08750E	28.0	143.8	FGGG		
2697-03473	00000/0000	2-20038/0294	12/19/76	0	9711	2726N 08726E	29.0	143.1	FGGG		
2697-03480	00000/0000	2-20038/0295	12/19/76	0	9711	2600N 08703E	30.0	142.4	FGFG		
2697-03482	00000/0000	2-20038/0296	12/19/76	0	9711	2433N 08640E	31.0	141.6	GGGG		

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



18123 FEB 17, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/01/77 TO 01/31/77

PAGE 0023

OBSERVATION ID	MICROFILM POSITION RBV	RAIL NO./ IN RAIL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN
2697-03485	00000/0000	2-20038/0297	12/19/76	0	9711	2307N	08618E	31.9 140.9	FGGG		
2697-03491	00000/0000	2-20038/0298	12/19/76	0	9711	2141N	08556E	32.9 140.1	FGFF		
2697-03494	00000/0000	2-20038/0299	12/19/76	0	9711	2014N	08534E	33.8 139.2	FGGG		
2697-03500	00000/0000	2-20038/0300	12/19/76	10	9711	1848N	08513E	34.8 138.4	FFFF		
2697-03503	00000/0000	2-20038/0301	12/19/76	40	9711	1721N	08451E	35.7 137.5	GGGF		
2697-03505	00000/0000	2-20038/0302	12/19/76	50	9711	1554N	08430E	36.6 136.6	GGGG		
2697-03512	00000/0000	2-20038/0303	12/19/76	50	9711	1427N	08409E	37.4 135.6	GGGF		
2697-03514	00000/0000	2-20038/0304	12/19/76	60	9711	1301N	08348E	38.3 134.6	GGGF		
2697-05232	00000/0000	2-20038/0305	12/19/76	90	9712	5305N	07054E	9.8 154.6	PFFF		
2697-05234	00000/0000	2-20038/0306	12/19/76	90	9712	5141N	07012E	10.9 153.9	PFFF		
2697-05241	00000/0000	2-20038/0307	12/19/76	70	9712	5016N	06931E	12.0 153.3	FGFF		
2697-05243	00000/0000	2-20038/0308	12/19/76	80	9712	4850N	06853E	13.1 152.6	FFFF		
2697-05250	00000/0000	2-20038/0309	12/19/76	30	9712	4726N	06816E	14.2 152.0	FFFF		
2697-05252	00000/0000	2-20038/0310	12/19/76	90	9712	4601N	06741E	15.3 151.4	PFFF		
2697-05255	00000/0000	2-20038/0311	12/19/76	100	9712	4436N	06707E	16.4 150.8	FFFF		
2697-05261	00000/0000	2-20038/0312	12/19/76	100	9712	4310N	06634E	17.5 150.2	FFFF		
2697-05264	00000/0000	2-20038/0313	12/19/76	90	9712	4145N	06603E	18.6 149.6	GGGG		
2697-05270	00000/0000	2-20038/0314	12/19/76	90	9712	4020N	06532E	19.7 149.0	FFFF		
2697-05273	00000/0000	2-20038/0315	12/19/76	100	9712	3854N	06503E	20.7 148.4	FFFF		
2697-05275	00000/0000	2-20038/0316	12/19/76	90	9712	3727N	06434E	21.8 147.8	GGFF		
2697-05282	00000/0000	2-20038/0317	12/19/76	80	9712	3602N	06407E	22.8 147.2	GGGG		
2697-05284	00000/0000	2-20038/0318	12/19/76	60	9712	3436N	06340E	23.9 146.5	GGGG		
2697-05291	00000/0000	2-20038/0319	12/19/76	30	9712	3310N	06314E	24.9 145.7	FGGG		
2697-05293	00000/0000	2-20038/0320	12/19/76	10	9712	3144N	06249E	26.0 145.2	FGGG		
2697-05300	00000/0000	2-20038/0321	12/19/76	10	9712	3018N	06225E	27.0 144.5	PFFF		
2697-05302	00000/0000	2-20038/0322	12/19/76	30	9712	2852N	06201E	28.0 143.8	FFFF		
2697-05305	00000/0000	2-20038/0323	12/19/76	30	9712	2726N	06137E	29.0 143.1	GGGF		
2697-05311	00000/0000	2-20038/0324	12/19/76	10	9712	2600N	06113E	30.0 142.4	PPPP		
2697-05314	00000/0000	2-20038/0325	12/19/76	10	9712	2433N	06050E	31.0 141.6	FFFF		
2701-14234	00000/0000	2-20038/0118	12/23/76	20	9773	4855N	06555W	12.9 152.1	GGGG		
2701-14263	00000/0000	2-20038/0119	12/23/76	60	9773	3857N	06945W	20.4 147.9	GGFF		H
2701-14270	00000/0000	2-20038/0120	12/23/76	90	9773	3731N	07014W	21.5 147.3	FFGF		H
2701-14272	00000/0000	2-20038/0121	12/23/76	80	9773	3606N	07041W	22.5 146.7	GGFG		H
2701-14275	00000/0000	2-20038/0122	12/23/76	90	9773	3439N	07108W	23.6 146.0	GGGF		H
2702-04103	00000/0000	2-20038/0481	12/24/76	0	9781	4602N	08621E	15.1 150.8	GGGG		
2702-04110	00000/0000	2-20038/0482	12/24/76	0	9781	4437N	08547E	16.2 150.2	GGG		

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
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OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL RBV	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV	MSS MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN
2702-04112	00000/0000 2-20038/0483	12/24/76	0	9781	4312N 08514E	17.2	149.6	GGGG			
2702-04115	00000/0000 2-20038/0484	12/24/76	10	9781	4146N 08443E	18.3	149.0	FGFG			
2702-04121	00000/0000 2-20038/0485	12/24/76	70	9781	4021N 08412E	19.4	148.4	GGGG			
2702-04124	00000/0000 2-20038/0486	12/24/76	90	9781	3855N 08343E	20.4	147.8	GGGG			
2702-04130	00000/0000 2-20038/0487	12/24/76	90	9781	3729N 08315E	21.5	147.2	GGGG			
2702-04133	00000/0000 2-20038/0488	12/24/76	80	9781	3603N 08247E	22.5	146.6	GGGG			
2702-04142	00000/0000 2-20038/0489	12/24/76	30	9781	3311N 08154E	24.6	145.3	GGGG			
2702-04144	00000/0000 2-20038/0490	12/24/76	30	9781	3146N 08129E	25.6	144.6	GGGG			
2702-04151	00000/0000 2-20038/0491	12/24/76	30	9781	3020N 08104E	26.6	144.0	GFGG			
2702-04153	00000/0000 2-20038/0492	12/24/76	10	9781	2854N 08039E	27.6	143.3	FGGG			
2702-04160	00000/0000 2-20038/0493	12/24/76	0	9781	2729N 08016E	28.6	142.6	GGGG			
2702-04162	00000/0000 2-20038/0494	12/24/76	0	9781	2602N 07952E	29.6	141.8	GGGG			
2702-04165	00000/0000 2-20038/0495	12/24/76	0	9781	2435N 07928E	30.6	141.1	GGGG			
2702-04171	00000/0000 2-20038/0496	12/24/76	0	9781	2309N 07906E	31.5	140.3	GGGG			
2702-04174	00000/0000 2-20038/0497	12/24/76	0	9781	2142N 07844E	32.5	139.5	GGGG			
2702-04180	00000/0000 2-20038/0498	12/24/76	10	9781	2016N 07823E	33.4	138.7	GGGG			
2702-04185	00000/0000 2-20038/0499	12/24/76	10	9781	1725N 07740E	35.2	136.9	GGGG			
2702-04192	00000/0000 2-20038/0500	12/24/76	10	9781	1556N 07718E	36.1	136.0	GGGG			
2702-04194	00000/0000 2-20038/0501	12/24/76	0	9781	1429N 07657E	37.0	135.1	GGG			
2702-04201	00000/0000 2-20038/0502	12/24/76	10	9781	1303N 07637E	37.8	134.1	GGGG			
2702-04203	00000/0000 2-20038/0503	12/24/76	10	9781	1136N 07617E	38.6	133.1	GGGG			
2702-05515	00000/0000 2-20038/0504	12/24/76	90	9782	5306N 06345E	9.6	154.0	GGGG			
2702-05521	00000/0000 2-20038/0505	12/24/76	90	9782	5142N 06302E	10.7	153.3	GGGG			
2702-05524	00000/0000 2-20038/0506	12/24/76	40	9782	5018N 06221E	11.8	152.7	GGGG			
2702-05530	00000/0000 2-20038/0507	12/24/76	0	9782	4853N 06143E	12.9	152.0	GGGG			
2702-05533	00000/0000 2-20038/0508	12/24/76	0	9782	4727N 06107E	14.0	151.4	GGGG			
2702-05535	00000/0000 2-20038/0509	12/24/76	0	9782	4602N 06033E	15.1	150.8	GGGG			
2702-05542	00000/0000 2-20038/0510	12/24/76	20	9782	4437N 05959E	16.2	150.2	GFGG			
2702-05544	00000/0000 2-20038/0511	12/24/76	10	9782	4312N 05926E	17.2	149.6	GGGG			
2702-05551	00000/0000 2-20038/0512	12/24/76	30	9782	4147N 05854E	18.3	149.0	GGGG			
2702-05553	00000/0000 2-20038/0513	12/24/76	70	9782	4021N 05824E	19.4	148.4	FGFG			
2702-05560	00000/0000 2-20038/0514	12/24/76	80	9782	3856N 05754E	20.4	147.8	GGGG			
2702-05562	00000/0000 2-20038/0515	12/24/76	90	9782	3730N 05726E	21.5	147.2	GGGG			
2702-05565	00000/0000 2-20038/0516	12/24/76	90	9782	3604N 05658E	22.5	146.6	GGGG			
2702-05571	00000/0000 2-20038/0517	12/24/76	80	9782	3439N 05631E	23.6	145.9	GGFG			
2702-05574	00000/0000 2-20038/0518	12/24/76	60	9782	3312N 05605E	24.6	145.3	GGGG			

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/01/77 TO 01/31/77

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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN
2702-05580	00000/0000	2-20038/0519	12/24/76	70	9782	3146N 05540E	25.6	144.6	FGGG		
2702-05583	00000/0000	2-20038/0520	12/24/76	30	9782	3020N 05515E	26.6	144.0	GGGG		
2703-04144	00000/0000	2-20038/0123	12/25/76	0	9795	5142N 08726E	10.7	153.2	FFFF		
2703-04150	00000/0000	2-20038/0124	12/25/76	0	9795	5018N 08646E	11.8	152.5	FFFF		
2703-04153	00000/0000	2-20038/0125	12/25/76	0	9795	4852N 08607E	12.9	151.9	FGGF		
2703-04162	00000/0000	2-20038/0126	12/25/76	10	9795	4602N 08455E	15.1	150.7	FFFF		
2703-04171	00000/0000	2-20038/0127	12/25/76	0	9795	4312N 08349E	17.2	149.5	FGGG		
2703-04173	00000/0000	2-20038/0128	12/25/76	0	9795	4146N 08318E	18.3	148.9	FFFF		
2703-04180	00000/0000	2-20038/0129	12/25/76	60	9795	4021N 08247E	19.3	148.3	FFFF		
2703-04182	00000/0000	2-20038/0130	12/25/76	100	9795	3855N 08218E	20.4	147.7	FFFF		
2703-04185	00000/0000	2-20038/0131	12/25/76	100	9795	3730N 08149E	21.4	147.1	FFFF		
2703-04191	00000/0000	2-20038/0132	12/25/76	50	9795	3604N 08122E	22.5	146.5	GFF		
2703-04194	00000/0000	2-20038/0133	12/25/76	40	9795	3438N 08055E	23.5	145.8	FGFF		
2703-04200	00000/0000	2-20038/0134	12/25/76	40	9795	3312N 08029E	24.5	145.2	FFFF		
2703-04203	00000/0000	2-20038/0135	12/25/76	50	9795	3147N 08004E	25.6	144.5	FFFF		
2703-04205	00000/0000	2-20038/0136	12/25/76	30	9795	3021N 07939E	26.6	143.8	FFFG		
2703-04212	00000/0000	2-20038/0137	12/25/76	0	9795	2855N 07915E	27.6	143.1	FFFF		
2703-04214	00000/0000	2-20038/0138	12/25/76	10	9795	2729N 07850E	28.6	142.4	FFFF		
2703-04221	00000/0000	2-20038/0139	12/25/76	0	9795	2602N 07827E	29.5	141.7	FFFF		
2703-04223	00000/0000	2-20038/0140	12/25/76	0	9795	2436N 07803E	30.5	140.9	FFFF		
2703-04230	00000/0000	2-20038/0141	12/25/76	0	9795	2310N 07740E	31.5	140.2	FFFF		
2703-04232	00000/0000	2-20038/0142	12/25/76	0	9795	2143N 07718E	32.4	139.4	FFFF		
2703-04235	00000/0000	2-20038/0143	12/25/76	10	9795	2016N 07657E	33.3	138.5	FFFF		
2703-04241	00000/0000	2-20038/0144	12/25/76	10	9795	1850N 07636E	34.2	137.7	FFFF		
2703-04244	00000/0000	2-20038/0145	12/25/76	10	9795	1723N 07614E	35.1	136.8	FFFG		
2703-04250	00000/0000	2-20038/0146	12/25/76	0	9795	1556N 07553E	36.0	135.9	FFFG		
2703-04253	00000/0000	2-20038/0147	12/25/76	0	9795	1429N 07532E	36.9	135.0	FGFG		
2703-04255	00000/0000	2-20038/0148	12/25/76	10	9795	1303N 07512E	37.7	134.0	FFFG		
2703-04262	00000/0000	2-20038/0149	12/25/76	20	9795	1136N 07451E	38.6	133.0	FFFF		
2703-05573	00000/0000	2-20038/0150	12/25/76	10	9796	5306N 06219E	9.6	153.8	FGFF		
2703-05575	00000/0000	2-20038/0151	12/25/76	10	9796	5142N 06137E	10.7	153.2	GGFG		
2703-05582	00000/0000	2-20038/0152	12/25/76	0	9796	5017N 06056E	11.8	152.5	GFFG		
2703-05584	00000/0000	2-20038/0153	12/25/76	0	9796	4853N 06018E	12.9	151.9	FFGF		
2703-05591	00000/0000	2-20038/0154	12/25/76	0	9796	4728N 05941E	14.0	151.3	FGFG		
2703-06000	00000/0000	2-20038/0155	12/25/76	60	9796	4437N 05833E	16.1	150.1	GGGG		
2703-06002	00000/0000	2-20038/0156	12/25/76	20	9796	4312N 05800E	17.2	149.5	GGGG		

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
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 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
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OBSERVATION ID	MICROFILM ROL POSITION IN ROL RBV	NO. / MSS	DATE ACQUIRED	CLOUD COVER	SRBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN
2703-06014	00000/0000	2-20038/0157	12/25/76	10	9796	3855N 05628E	20.4	147.7		FGG	
2703-06020	00000/0000	2-20038/0158	12/25/76	30	9796	3730N 05600E	21.4	147.1		FGGG	
2703-06023	00000/0000	2-20038/0159	12/25/76	80	9796	3604N 05532E	22.5	146.4		FGGG	
2703-06025	00000/0000	2-20038/0160	12/25/76	40	9796	3438N 05505E	23.5	145.8		FFGF	
2703-06032	00000/0000	2-20038/0161	12/25/76	10	9796	3312N 05439E	24.5	145.2		FFGF	
2704-02411	00000/0000	2-20038/0326	12/26/76	10	9808	3730N 10611E	21.4	147.0		GGGG	
2704-02414	00000/0000	2-20038/0327	12/26/76	70	9808	3604N 10543E	22.4	146.3		GGGG	
2704-02420	00000/0000	2-20038/0328	12/26/76	80	9808	3438N 10516E	23.5	145.7		GGGG	
2704-02423	00000/0000	2-20038/0329	12/26/76	70	9808	3312N 10450E	24.5	145.0		GGGG	
2704-02425	00000/0000	2-20038/0330	12/26/76	80	9808	3146N 10425E	25.5	144.4		GGGG	
2704-02432	00000/0000	2-20038/0331	12/26/76	90	9808	3020N 10400E	26.5	143.7		GGGG	
2704-02434	00000/0000	2-20038/0332	12/26/76	90	9808	2854N 10336E	27.5	143.0		GGGG	
2704-02441	00000/0000	2-20038/0333	12/26/76	70	9808	2728N 10312E	28.5	142.3		GGGG	
2704-02443	00000/0000	2-20038/0334	12/26/76	20	9808	2601N 10249E	29.5	141.6		GGGG	
2704-02450	00000/0000	2-20038/0335	12/26/76	20	9808	2435N 10225E	30.5	140.8		GGGG	
2704-04195	00000/0000	2-20038/0162	12/26/76	0	9809	5306N 08643E	9.6	153.7		FFGG	
2704-04202	00000/0000	2-20038/0163	12/26/76	0	9809	5141N 08600E	10.7	153.1		FFGG	
2704-04204	00000/0000	2-20038/0164	12/26/76	10	9809	5016N 08520E	11.8	152.4		FFFG	
2704-04211	00000/0000	2-20038/0165	12/26/76	0	9809	4851N 08442E	12.9	151.8		FFFG	
2704-04213	00000/0000	2-20038/0166	12/26/76	0	9809	4727N 08405E	14.0	151.2		FFFG	
2704-04220	00000/0000	2-20038/0167	12/26/76	0	9809	4602N 08329E	15.0	150.6		FFFG	
2704-04225	00000/0000	2-20038/0168	12/26/76	0	9809	4312N 08222E	17.2	149.4		FFFF	
2704-04231	00000/0000	2-20038/0169	12/26/76	40	9809	4146N 08151E	18.3	148.8		FFFF	
2704-04234	00000/0000	2-20038/0170	12/26/76	100	9809	4021N 08120E	19.3	148.2		FFFF	
2704-04240	00000/0000	2-20038/0171	12/26/76	100	9809	3855N 08051E	20.4	147.6		FFFF	
2704-04243	00000/0000	2-20038/0172	12/26/76	100	9809	3729N 08022E	21.4	146.9		FFFF	
2704-04245	00000/0000	2-20038/0173	12/26/76	90	9809	3603N 07955E	22.5	146.3		FFFF	
2704-04252	00000/0000	2-20038/0174	12/26/76	90	9809	3438N 07928E	23.5	145.7		FGFF	
2704-04254	00000/0000	2-20038/0175	12/26/76	90	9809	3312N 07901E	24.5	145.0		FGFF	
2704-04261	00000/0000	2-20038/0176	12/26/76	90	9809	3146N 07836E	25.5	144.4		FFGF	
2704-04263	00000/0000	2-20038/0177	12/26/76	50	9809	3020N 07811E	26.5	143.7		FFGF	
2704-04270	00000/0000	2-20038/0178	12/26/76	20	9809	2854N 07747E	27.5	143.0		FFFF	
2704-04272	00000/0000	2-20038/0179	12/26/76	10	9809	2728N 07722E	28.5	142.3		FFFF	
2704-04275	00000/0000	2-20038/0180	12/26/76	0	9809	2602N 07659E	29.5	141.6		FFFF	
2704-04281	00000/0000	2-20038/0181	12/26/76	0	9809	2435N 07636E	30.5	140.8		FFFF	
2704-04284	00000/0000	2-20038/0182	12/26/76	0	9809	2309N 07613E	31.4	140.0		FFFF	

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
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OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL RBV	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN
2704-04290	00000/0000	2-20038/0183	12/26/76	0	9809 2142N 07551E	32.4	139.2	FFFF		
2704-04293	00000/0000	2-20038/0184	12/26/76	0	9809 2016N 07530E	33.3	138.4	FFFF		
2704-04295	00000/0000	2-20038/0185	12/26/76	10	9809 1849N 07508E	34.2	137.6	FFFF		
2704-04302	00000/0000	2-20038/0186	12/26/76	10	9809 1722N 07446E	35.1	136.7	FFFF		
2704-04304	00000/0000	2-20038/0187	12/26/76	10	9809 1555N 07425E	36.0	135.8	FFFF		
2704-04311	00000/0000	2-20038/0188	12/26/76	10	9809 1428N 07405E	36.8	134.8	FFFF		
2704-04313	00000/0000	2-20038/0189	12/26/76	10	9809 1302N 07344E	37.7	133.9	FFFF		
2704-06031	00000/0000	2-20038/0190	12/26/76	0	9810 5309N 06055E	9.6	153.7	FFFF		
2704-06033	00000/0000	2-20038/0191	12/26/76	0	9810 5145N 06013E	10.7	153.1	FFF		
2704-06040	00000/0000	2-20038/0192	12/26/76	0	9810 5020N 05932E	11.8	152.4	FFFF		
2704-06042	00000/0000	2-20038/0193	12/26/76	10	9810 4855N 05853E	12.8	151.8	PPPP		
2704-06051	00000/0000	2-20038/0194	12/26/76	90	9810 4606N 05741E	15.0	150.6	FF		
2704-06054	00000/0000	2-20038/0195	12/26/76	90	9810 4440N 05707E	16.1	150.0	FFFF		
2704-06060	00000/0000	2-20038/0196	12/26/76	90	9810 4315N 05635E	17.2	149.4	FFFF		
2704-06063	00000/0000	2-20038/0197	12/26/76	80	9810 4149N 05604E	18.2	148.8	FFFF		
2704-06065	00000/0000	2-20038/0198	12/26/76	100	9810 4024N 05533E	19.3	148.2	FFFF		
2704-06072	00000/0000	2-20038/0199	12/26/76	90	9810 3858N 05504E	20.3	147.6	FFFF		
2704-06074	00000/0000	2-20038/0200	12/26/76	70	9810 3732N 05435E	21.4	147.0	FFFF		
2704-06081	00000/0000	2-20038/0201	12/26/76	80	9810 3607N 05408E	22.4	146.3	FFFF		
2704-07465	00000/0000	2-20038/0336	12/26/76	30	9811 5145N 03423E	10.7	153.1	GGGG		
2704-07471	00000/0000	2-20038/0337	12/26/76	10	9811 5020N 03342E	11.8	152.4	GGGG		
2704-07474	00000/0000	2-20038/0338	12/26/76	0	9811 4855N 03303E	12.9	151.8	GGGG		
2704-07480	00000/0000	2-20038/0339	12/26/76	10	9811 4730N 03226E	13.9	151.2	GGGG		
2704-07483	00000/0000	2-20038/0340	12/26/76	20	9811 4605N 03151E	15.0	150.6	GGGG		
2704-23411	00000/0000	2-20038/0100	12/26/76	60	9820 3434S 13759E	47.9	87.4	GGGG		
2705-01163	00000/0000	2-20038/0101	12/27/76	10	9821 0713S 11914E	46.8	116.6	GGGG		
2705-01170	00000/0000	2-20038/0102	12/27/76	20	9821 0840S 11854E	47.2	115.2	GGGG		
2705-01172	00000/0000	2-20038/0103	12/27/76	20	9821 1007S 11834E	47.6	113.7	GGGG		
2705-02465	00000/0000	2-20038/0104	12/27/76	0	9822 3732N 10445E	21.3	146.8	GGFG		
2705-02483	00000/0000	2-20038/0105	12/27/76	20	9822 3149N 10259E	25.5	144.3	GGFG		
2705-02522	00000/0000	2-20038/0106	12/27/76	10	9822 1853N 09933E	34.1	137.5	GGGG		
2705-02524	00000/0000	2-20038/0107	12/27/76	40	9822 1726N 09911E	35.0	136.6	GGGG		
2705-02531	00000/0000	2-20038/0108	12/27/76	40	9822 1559N 09850E	35.9	135.7	GGGG		
2705-04253	00000/0000	2-20038/0203	12/27/76	0	9823 5309N 08520E	9.6	153.6	GGGF		
2705-04260	00000/0000	2-20038/0204	12/27/76	10	9823 5145N 08438E	10.7	152.9	GGGF		
2705-04262	00000/0000	2-20038/0205	12/27/76	10	9823 5020N 08357E	11.8	152.3	GGGG		

H  
H  
H

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

18123 FEB 17, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/01/77 TO 01/31/77

PAGE 0028

OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN
2705-04265	00000/0000	2-20038/0206	12/27/76	0	9823	4855N 08317E	12.8	151.7	GGGG		
2705-04271	00000/0000	2-20038/0207	12/27/76	0	9823	4730N 08239E	13.9	151.1	GGGG		
2705-04274	00000/0000	2-20038/0208	12/27/76	10	9823	4605N 08204E	15.0	150.5	FGGF		
2705-04280	00000/0000	2-20038/0209	12/27/76	0	9823	4440N 08129E	16.1	149.9	GGFG		
2705-04283	00000/0000	2-20038/0210	12/27/76	0	9823	4314N 08057E	17.1	149.3	GGFG		
2705-04285	00000/0000	2-20038/0211	12/27/76	10	9823	4149N 08025E	18.2	148.7	GGGG		
2705-04292	00000/0000	2-20038/0212	12/27/76	10	9823	4024N 07955E	19.3	148.1	FGFF		
2705-04294	00000/0000	2-20038/0213	12/27/76	50	9823	3858N 07925E	20.3	147.4	FGGG		
2705-04301	00000/0000	2-20038/0214	12/27/76	80	9823	3733N 07857E	21.4	146.8	GGFG		
2705-04303	00000/0000	2-20038/0215	12/27/76	20	9823	3607N 07829E	22.4	146.2	GGGG		
2705-04310	00000/0000	2-20038/0216	12/27/76	60	9823	3441N 07802E	23.4	145.6	GFGG		
2705-04312	00000/0000	2-20038/0217	12/27/76	10	9823	3315N 07736E	24.4	144.9	GFGG		
2705-04315	00000/0000	2-20038/0218	12/27/76	10	9823	3149N 07710E	25.5	144.3	FGGG		
2705-04321	00000/0000	2-20038/0219	12/27/76	0	9823	3023N 07645E	26.5	143.6	GGGG		
2705-04324	00000/0000	2-20038/0220	12/27/76	0	9823	2857N 07621E	27.5	142.9	FFFG		
2705-04330	00000/0000	2-20038/0221	12/27/76	0	9823	2731N 07557E	28.4	142.2	FGGG		
2705-04333	00000/0000	2-20038/0222	12/27/76	10	9823	2605N 07533E	29.4	141.4	GGGG		
2705-04335	00000/0000	2-20038/0223	12/27/76	10	9823	2438N 07511E	30.4	140.7	FGGG		
2705-04342	00000/0000	2-20038/0224	12/27/76	0	9823	2311N 07448E	31.3	139.9	FGGG		
2705-04344	00000/0000	2-20038/0225	12/27/76	0	9823	2144N 07426E	32.3	139.1	FFGG		
2705-04351	00000/0000	2-20038/0226	12/27/76	0	9823	2018N 07405E	33.2	138.3	FFGG		
2705-04353	00000/0000	2-20038/0227	12/27/76	0	9823	1852N 07343E	34.1	137.4	FFFF		
2705-04360	00000/0000	2-20038/0341	12/27/76	20	9823	1724N 07322E	35.0	136.6	F		
2705-06085	00000/0000	2-20038/0228	12/27/76	10	9824	5309N 05931E	9.6	153.6	FFFF		
2705-06092	00000/0000	2-20038/0202	12/27/76	0	9824	5145N 05848E	10.7	152.9	F FF		
2705-06094	00000/0000	2-20038/0229	12/27/76	10	9824	5020N 05807E	11.8	152.3	FFFF		
2705-06101	00000/0000	2-20038/0230	12/27/76	70	9824	4855N 05729E	12.8	151.7	FFFF		
2705-06110	00000/0000	2-20038/0231	12/27/76	90	9824	4606N 05617E	15.0	150.5	FFGF		
2705-06112	00000/0000	2-20038/0232	12/27/76	90	9824	4441N 05543E	16.1	149.8	FGGF		
2705-06115	00000/0000	2-20038/0233	12/27/76	100	9824	4315N 05510E	17.1	149.2	FGFF		
2705-06121	00000/0000	2-20038/0234	12/27/76	90	9824	4149N 05438E	18.2	148.6	GGGF		
2705-07530	00000/0000	2-20038/0342	12/27/76	10	9825	5020N 03217E	11.8	152.3	FFFF		
2705-07532	00000/0000	2-20038/0343	12/27/76	20	9825	4855N 03138E	12.9	151.7	GGG		
2705-07535	00000/0000	2-20038/0344	12/27/76	10	9825	4730N 03101E	13.9	151.0	GGGG		
2705-07541	00000/0000	2-20038/0345	12/27/76	10	9825	4604N 03027E	15.0	150.4	GGGG		
2705-23463	00000/0000	2-20038/0346	12/27/76	10	9834	3306S 13659E	48.1	88.9	GGGG		

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

18123 FEB 17, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/01/77 TO 01/31/77

PAGE 0029

OBSERVATION ID	MICROFILM POSITION RBV	ROLL No./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	PRINCIPAL POINT LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN
2706-02524	00000/0000	2-20038/0109	12/28/76	0	9836	3733N	10318E	21.3	146.7	GGGG		
2706-02530	00000/0000	2-20038/0110	12/28/76	10	9836	3607N	10251E	22.4	146.1	GGGG		
2706-02560	00000/0000	2-20038/0111	12/28/76	0	9836	2604N	09957E	29.4	141.3	GGGG		
2706-02580	00000/0000	2-20038/0112	12/28/76	40	9836	1851N	09805E	34.1	137.3	GGGG		
2706-02583	00000/0000	2-20038/0113	12/28/76	40	9836	1725N	09744E	34.9	136.4	GGGG		
2706-02585	00000/0000	2-20038/0114	12/28/76	40	9836	1558N	09722E	35.8	135.5	GGGG		
2706-04323	00000/0000	2-20038/0235	12/28/76	0	9837	4855N	08149E	12.9	151.5	FPP		
2706-04330	00000/0000	2-20038/0236	12/28/76	0	9837	4730N	08112E	13.9	150.9	GFPP		
2706-04332	00000/0000	2-20038/0237	12/28/76	10	9837	4605N	08037E	15.0	150.3	GFPP		
2706-04335	00000/0000	2-20038/0238	12/28/76	20	9837	4439N	08003E	16.1	149.7	FFFF		
2706-04341	00000/0000	2-20038/0239	12/28/76	60	9837	4314N	07930E	17.1	149.1	PPPP		
2706-04350	00000/0000	2-20038/0240	12/28/76	0	9837	4023N	07828E	19.3	147.9	PPPP		
2706-04355	00000/0000	2-20038/0241	12/28/76	0	9837	3732N	07730E	21.3	146.7	PPPP		
2706-04362	00000/0000	2-20038/0242	12/28/76	30	9837	3606N	07702E	22.4	146.1	PPPP		
2706-04364	00000/0000	2-20038/0243	12/28/76	80	9837	3440N	07635E	23.4	145.4	PPPP		
2706-04371	00000/0000	2-20038/0244	12/28/76	70	9837	3314N	07609E	24.4	144.8	PPPP		
2706-04380	00000/0000	2-20038/0245	12/28/76	0	9837	3022N	07519E	26.4	143.4	PPPP		
2706-04382	00000/0000	2-20038/0246	12/28/76	0	9837	2856N	07454E	27.4	142.7	PPFP		
2706-04385	00000/0000	2-20038/0247	12/28/76	10	9837	2730N	07431E	28.4	142.0	FFGF		
2706-04400	00000/0000	2-20038/0248	12/28/76	10	9837	2310N	07322E	31.3	139.8	FGGG		
2706-04403	00000/0000	2-20038/0249	12/28/76	0	9837	2144N	07300E	32.2	139.0	FFFP		
2706-04405	00000/0000	2-20038/0250	12/28/76	0	9837	2017N	07238E	33.1	138.1	FGGP		
2706-04412	00000/0000	2-20038/0251	12/28/76	10	9837	1850N	07217E	34.1	137.3	PPPP		
2706-06143	00000/0000	2-20038/0252	12/28/76	0	9838	5309N	05804E	9.6	153.5	GGGG		
2706-06150	00000/0000	2-20038/0253	12/28/76	0	9838	5144N	05721E	10.7	152.8	GGGG		
2706-06152	00000/0000	2-20038/0254	12/28/76	10	9838	5020N	05639E	11.8	152.2	GGGG		
2706-06155	00000/0000	2-20038/0255	12/28/76	80	9838	4855N	05600E	12.9	151.5	GPGF		
2706-06161	00000/0000	2-20038/0256	12/28/76	100	9838	4730N	05523E	13.9	150.9	GGF		
2706-06164	00000/0000	2-20038/0257	12/28/76	60	9838	4605N	05448E	15.0	150.3	GGGG		
2706-06170	00000/0000	2-20038/0258	12/28/76	80	9838	4439N	05414E	16.1	149.7	GGGF		
2706-06173	00000/0000	2-20038/0259	12/28/76	100	9838	4314N	05341E	17.1	149.1	GGGF		
2706-06175	00000/0000	2-20038/0260	12/28/76	90	9838	4148N	05310E	18.2	148.5	FGGF		
2706-07590	00000/0000	2-20038/0115	12/28/76	0	9839	4854N	03012E	12.9	151.5	GGGF		
2706-07593	00000/0000	2-20038/0116	12/28/76	0	9839	4729N	02935E	13.9	150.9	FFGG		
2706-07595	00000/0000	2-20038/0117	12/28/76	0	9839	4604N	02859E	15.0	150.3	GGGG		
2706-13092	00000/0000	2-20038/0261	12/28/76	100	9842	4730N	04751W	13.9	150.9	GGGG		

KEYS: CLOUD COVER % ..... C TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

18:23 FEB 17, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/01/77 TO 01/31/77

PAGE 0030

OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE		SUN ELEV.	SUN AZIM.	IMAGE QUAL RBV	MSS DATA MODE	MSS IMAGE GAIN
						LAT	LONG					
2706-13094	00000/0000	2-2003R/0262	12/28/76	100	9842	4605N	04827W	15.0	150.3	GGGG		
2706-13101	00000/0000	2-2003R/0263	12/28/76	100	9842	4439N	04900W	16.1	149.7	GGGG		
2706-13103	00000/0000	2-2003R/0264	12/28/76	100	9842	4313N	04932W	17.1	149.1	GGGG		
2706-13110	00000/0000	2-2003R/0265	12/28/76	70	9842	4148N	05004W	18.2	148.5	GGGG		
2706-14521	00000/0000	2-2003R/0266	12/28/76	10	9843	4856N	07308W	12.9	151.5	GGGG		
2706-23521	00000/0000	2-2003R/0267	12/28/76	10	9848	3306S	13532E	47.9	88.9	G		
2707-02575	00000/0000	2-2003R/0268	12/29/76	10	9850	3857N	10222E	20.3	147.2	GGGG		
2707-02582	00000/0000	2-2003R/0269	12/29/76	10	9850	3732N	10154E	21.3	146.6	FGGG		
2707-04372	00000/0000	2-2003R/0664	12/29/76	0	9851	5144N	08143E	10.7	152.7	GGGG		
2707-04375	00000/0000	2-2003R/0665	12/29/76	0	9851	5019N	08102E	11.8	152.0	FGGG		
2707-04381	00000/0000	2-2003R/0666	12/29/76	10	9851	4854N	08024E	12.9	151.4	FGGG		
2707-04384	00000/0000	2-2003R/0667	12/29/76	30	9851	4729N	07947E	13.9	150.8	FGGG		
2707-04390	00000/0000	2-2003R/0668	12/29/76	40	9851	4604N	07911E	15.0	150.2	GGGG		
2707-04393	00000/0000	2-2003R/0669	12/29/76	60	9851	4439N	07837E	16.1	149.6	GGGG		
2707-04395	00000/0000	2-2003R/0663	12/29/76	50	9851	4314N	07805E	17.1	149.0	G GG		
2707-04402	00000/0000	2-2003R/0670	12/29/76	40	9851	4148N	07733E	18.2	148.4	GGGG		
2707-04404	00000/0000	2-2003R/0671	12/29/76	10	9851	4023N	07702E	19.3	147.8	FGGG		
2707-04411	00000/0000	2-2003R/0672	12/29/76	30	9851	3857N	07633E	20.3	147.2	GGGG		
2707-04413	00000/0000	2-2003R/0673	12/29/76	10	9851	3731N	07604E	21.3	146.5	GGGG		
2707-04420	00000/0000	2-2003R/0674	12/29/76	30	9851	3606N	07537E	22.4	145.9	GGGG		
2707-04422	00000/0000	2-2003R/0675	12/29/76	70	9851	3440N	07510E	23.4	145.3	GGGG		
2707-04425	00000/0000	2-2003R/0676	12/29/76	20	9851	3314N	07444E	24.4	144.6	GGGG		
2707-04431	00000/0000	2-2003R/0677	12/29/76	0	9851	3147N	07419E	25.4	144.0	GGGG		
2707-04434	00000/0000	2-2003R/0678	12/29/76	20	9851	3021N	07354E	26.4	143.3	FGGF		
2707-04440	00000/0000	2-2003R/0679	12/29/76	50	9851	2855N	07330E	27.4	142.6	FGGG		
2707-04443	00000/0000	2-2003R/0680	12/29/76	10	9851	2728N	07306E	28.4	141.9	GGGG		
2707-04445	00000/0000	2-2003R/0681	12/29/76	0	9851	2602N	07243E	29.4	141.1	FGGG		
2707-04452	00000/0000	2-2003R/0682	12/29/76	0	9851	2435N	07220E	30.3	140.4	GGGG		
2707-04454	00000/0000	2-2003R/0683	12/29/76	0	9851	2309N	07157E	31.3	139.6	GGFF		
2707-04461	00000/0000	2-2003R/0684	12/29/76	0	9851	2142N	07135E	32.2	138.8	FGGF		
2707-04463	00000/0000	2-2003R/0685	12/29/76	0	9851	2016N	07113E	33.1	138.0	GGFF		
2707-04470	00000/0000	2-2003R/0686	12/29/76	0	9851	1850N	07051E	34.0	137.1	FGGF		
2707-06201	00000/0000	2-2003R/0687	12/29/76	70	9852	5308N	05635E	9.6	153.3	PPGG		
2707-06204	00000/0000	2-2003R/0688	12/29/76	80	9852	5143N	05552E	10.7	152.7	FFGG		
2707-06210	00000/0000	2-2003R/0689	12/29/76	90	9852	5019N	05511E	11.8	152.0	GGFF		
2707-06213	00000/0000	2-2003R/0690	12/29/76	90	9852	4854N	05433E	12.9	151.4	GGGG		

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
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18123 FEB 17, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/01/77 TO 01/31/77

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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN
2707-06215	00000/0000	2-20038/0691	12/29/76	90	9852	4728N 05356E	14.0	150.8	GGGG		
2707-06222	00000/0000	2-20038/0692	12/29/76	90	9852	4604N 05321E	15.0	150.2	GGGG		
2707-06224	00000/0000	2-20038/0693	12/29/76	90	9852	4438N 05247E	16.1	149.6	GGFF		
2707-06240	00000/0000	2-20038/0270	12/29/76	80	9852	4022N 05113E	19.3	147.8	GGGG		
2707-08051	00000/0000	2-20038/0271	12/29/76	10	9853	4727N 02809E	14.0	150.8	GGGG		
2707-08054	00000/0000	2-20038/0272	12/29/76	10	9853	4603N 02733E	15.0	150.2	GGGG		
2707-13143	00000/0000	2-20038/0347	12/29/76	90	9856	4856N 04842W	12.9	151.4	GGGG		
2707-13150	00000/0000	2-20038/0348	12/29/76	60	9856	4731N 04919W	13.9	150.7	GGGG		
2707-13152	00000/0000	2-20038/0349	12/29/76	10	9856	4605N 04954W	15.0	150.1	GGGG		
2707-13155	00000/0000	2-20038/0350	12/29/76	30	9856	4440N 05028W	16.1	149.5	GGGG		
2707-13161	00000/0000	2-20038/0351	12/29/76	80	9856	4315N 05100W	17.1	148.9	GGGG		
2707-13164	00000/0000	2-20038/0352	12/29/76	90	9856	4149N 05132W	18.2	148.3	GGGG		
2707-14572	00000/0000	2-20038/0353	12/29/76	10	9857	5020N 07354W	11.8	152.0	GGGG		
2707-14575	00000/0000	2-20038/0354	12/29/76	90	9857	4855N 07432W	12.9	151.3	GGGG		
2708-03033	00000/0000	2-20038/0370	12/30/76	0	9864	3857N 10055E	20.3	147.0	FGGG		
2708-03040	00000/0000	2-20038/0371	12/30/76	0	9864	3731N 10026E	21.3	146.4	FGGG		
2708-03042	00000/0000	2-20038/0372	12/30/76	10	9864	3605N 09958E	22.4	145.8	FGGG		
2708-03045	00000/0000	2-20038/0373	12/30/76	30	9864	3439N 09932E	23.4	145.1	FFGG		
2708-03051	00000/0000	2-20038/0374	12/30/76	70	9864	3313N 09906E	24.4	144.5	FGGG		
2708-03054	00000/0000	2-20038/0375	12/30/76	60	9864	3147N 09841E	25.4	143.8	GGGG		
2708-03060	00000/0000	2-20038/0376	12/30/76	10	9864	3021N 09816E	26.4	143.1	GGGG		
2708-03063	00000/0000	2-20038/0377	12/30/76	30	9864	2855N 09751E	27.4	142.4	GGGG		
2708-03065	00000/0000	2-20038/0378	12/30/76	40	9864	2729N 09727E	28.4	141.7	GGGG		
2708-03072	00000/0000	2-20038/0379	12/30/76	30	9864	2602N 09703E	29.3	141.0	FGGG		
2708-03074	00000/0000	2-20038/0380	12/30/76	20	9864	2436N 09640E	30.3	140.2	GGGG		
2708-03083	00000/0000	2-20038/0381	12/30/76	10	9864	2142N 09556E	32.2	138.7	FFGG		
2708-04424	00000/0000	2-20038/0382	12/30/76	10	9865	5308N 08100E	9.7	153.2	FFGF		
2708-04431	00000/0000	2-20038/0383	12/30/76	0	9865	5144N 08016E	10.7	152.5	FGGG		
2708-04433	00000/0000	2-20038/0384	12/30/76	10	9865	5018N 07935E	11.8	151.9	FGGG		
2708-04440	00000/0000	2-20038/0385	12/30/76	10	9865	4853N 07856E	12.9	151.3	GGGG		
2708-04442	00000/0000	2-20038/0386	12/30/76	20	9865	4728N 07819E	14.0	150.6	FGGG		
2708-04445	00000/0000	2-20038/0387	12/30/76	60	9865	4603N 07744E	15.0	150.0	FGGG		
2708-04451	00000/0000	2-20038/0388	12/30/76	90	9865	4438N 07710E	16.1	149.4	GGFG		
2708-04454	00000/0000	2-20038/0389	12/30/76	80	9865	4312N 07637E	17.2	148.8	GGGG		
2708-04460	00000/0000	2-20038/0390	12/30/76	40	9865	4147N 07606E	18.2	148.2	FGGG		
2708-04463	00000/0000	2-20038/0391	12/30/76	20	9865	4022N 07536E	19.3	147.6	FGGG		

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



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OBSERVATION ID LISTING  
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OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL RBV	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV	MSS MSS	MSS DATA	MSS IMAGE
								123	45678	MODE	GAIN
2708-04465	00000/0000	2-20038/0392	12/30/76	10	9865	3856N	07506E	20.3	147.0		GGGG
2708-04472	00000/0000	2-20038/0393	12/30/76	10	9865	3730N	07438E	21.3	146.4		GGFG
2708-04474	00000/0000	2-20038/0394	12/30/76	10	9865	3605N	07410E	22.4	145.8		GGGG
2708-04481	00000/0000	2-20038/0395	12/30/76	10	9865	3438N	07343E	23.4	145.1		GGGG
2708-04501	00000/0000	2-20038/0406	12/30/76	70	9865	2727N	07139E	28.4	141.7		GF
2708-04504	00000/0000	2-20038/0396	12/30/76	20	9865	2601N	07116E	29.3	141.0		GGGG
2708-04510	00000/0000	2-20038/0397	12/30/76	0	9865	2434N	07053E	30.3	140.2		GGGG
2708-04513	00000/0000	2-20038/0398	12/30/76	0	9865	2308N	07030E	31.2	139.4		FGGG
2708-04515	00000/0000	2-20038/0399	12/30/76	0	9865	2141N	07008E	32.2	138.6		GGGG
2708-04522	00000/0000	2-20038/0400	12/30/76	0	9865	2015N	06946E	33.1	137.8		GGGF
2708-06271	00000/0000	2-20038/0401	12/30/76	10	9866	4853N	05307E	12.9	151.2		PPPP
2708-06274	00000/0000	2-20038/0402	12/30/76	10	9866	4728N	05231E	14.0	150.6		FFFF
2708-06280	00000/0000	2-20038/0403	12/30/76	90	9866	4603N	05155E	15.0	150.0		FFFF
2708-06283	00000/0000	2-20038/0404	12/30/76	100	9866	4438N	05121E	16.1	149.4		PPPP
2708-06285	00000/0000	2-20038/0405	12/30/76	90	9866	4312N	05049E	17.2	148.8		FFFF
2708-06294	00000/0000	2-20038/0273	12/30/76	90	9866	4021N	04947E	19.3	147.6		GGGG
2708-06301	00000/0000	2-20038/0274	12/30/76	90	9866	3856N	04918E	20.3	147.0		GGGG
2708-08094	00000/0000	2-20038/0275	12/30/76	90	9867	5141N	02837E	10.8	152.5		GGGG
2708-08100	00000/0000	2-20038/0276	12/30/76	90	9867	5016N	02757E	11.8	151.9		GGFF
2708-08103	00000/0000	2-20038/0277	12/30/76	100	9867	4852N	02718E	12.9	151.2		FGGF
2708-08105	00000/0000	2-20038/0278	12/30/76	90	9867	4727N	02641E	14.0	150.6		GGGG
2708-13195	00000/0000	2-20038/0355	12/30/76	90	9870	5018N	04932W	11.8	151.8		GGGG
2708-13201	00000/0000	2-20038/0356	12/30/76	80	9870	4853N	05010W	12.9	151.2		FGGG
2708-13204	00000/0000	2-20038/0357	12/30/76	90	9870	4728N	05046W	14.0	150.6		GGGG
2708-13210	00000/0000	2-20038/0358	12/30/76	80	9870	4603N	05121W	15.0	150.0		GGGG
2708-13213	00000/0000	2-20038/0359	12/30/76	80	9870	4438N	05155W	16.1	149.4		GGGG
2708-13215	00000/0000	2-20038/0360	12/30/76	80	9870	4313N	05228W	17.2	148.8		FFFF
2708-13222	00000/0000	2-20038/0361	12/30/76	70	9870	4147N	05259W	18.2	148.2		GGGG
2708-16462	00000/0000	2-20038/0407	12/30/76	90	9872	5019N	10110W	11.8	151.8		GGGG
2709-03083	00000/0000	2-20038/0408	12/31/76	50	9878	4147N	10028E	18.2	148.1		FFGF
2709-04482	00000/0000	2-20038/0409	12/31/76	0	9879	5308N	07933E	9.7	153.0		GGGF
2709-04485	00000/0000	2-20038/0410	12/31/76	10	9879	5143N	07850E	10.8	152.4		FGGF
2709-04491	00000/0000	2-20038/0411	12/31/76	10	9879	5018N	07809E	11.9	151.7		FGFP
2709-04494	00000/0000	2-20038/0412	12/31/76	10	9879	4853N	07730E	12.9	151.1		FGG
2709-04500	00000/0000	2-20038/0413	12/31/76	0	9879	4728N	07653E	14.0	150.5		FFG
2709-04503	00000/0000	2-20038/0414	12/31/76	10	9879	4603N	07618E	15.1	149.9		FGGF

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING  
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OBSERVATION ID	MICROFILM POSITION RBV	ROLL No./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE=QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN
2709-04505	00000/0000	2-20038/0415	12/31/76	20	9879	4438N 07544E	16.1	149.3	GGGF		
2709-04512	00000/0000	2-20038/0416	12/31/76	70	9879	4312N 07512E	17.2	148.7	FGGF		
2709-04514	00000/0000	2-20038/0417	12/31/76	80	9879	4147N 07441E	18.2	148.1	FGGF		
2709-04521	00000/0000	2-20038/0418	12/31/76	60	9879	4022N 07410E	19.3	147.5	FGGF		
2709-13251	00000/0000	2-20038/0457	12/31/76	30	9884	5143N 05015W	10.8	152.3	GGGG		
2709-13253	00000/0000	2-20038/0458	12/31/76	30	9884	5018N 05056W	11.9	151.7	GGGG		
2709-13260	00000/0000	2-20038/0459	12/31/76	10	9884	4853N 05135W	12.9	151.1	GGGF		
2709-13265	00000/0000	2-20038/0460	12/31/76	30	9884	4603N 05247W	15.1	149.8	GGGG		
2709-13271	00000/0000	2-20038/0461	12/31/76	40	9884	4438N 05321W	16.1	149.2	GGGG		
2709-13274	00000/0000	2-20038/0462	12/31/76	50	9884	4312N 05354W	17.2	148.6	GGGG		
2709-13280	00000/0000	2-20038/0463	12/31/76	50	9884	4147N 05425W	18.2	148.0	GGGG		
2709-15085	00000/0000	2-20038/0464	12/31/76	70	9885	5018N 07647W	11.9	151.7	GGGG		
2710-01335	00000/0000	2-20038/0586	01/01/77	100	9891	3145N 12137E	25.4	143.5	GGG		
2710-01341	00000/0000	2-20038/0587	01/01/77	100	9891	3019N 12113E	26.4	142.8	GGGG		
2710-01344	00000/0000	2-20038/0588	01/01/77	100	9891	2853N 12049E	27.4	142.1	G GF		
2710-01350	00000/0000	2-20038/0588	01/01/77	100	9891	2727N 12025E	28.4	141.4	GGGG		
2710-03134	00000/0000	2-20038/0420	01/01/77	40	9892	4315N 09936E	17.2	148.6	GGGF		
2710-03141	00000/0000	2-20038/0421	01/01/77	30	9892	4149N 09904E	18.2	148.0	FGGG		
2710-03143	00000/0000	2-20038/0422	01/01/77	40	9892	4024N 09834E	19.3	147.3	FGGG		
2710-03150	00000/0000	2-20038/0423	01/01/77	70	9892	3858N 09805E	20.3	146.7	GGGG		
2710-03152	00000/0000	2-20038/0424	01/01/77	60	9892	3733N 09736E	21.3	146.1	GGGG		
2710-03155	00000/0000	2-20038/0425	01/01/77	30	9892	3607N 09709E	22.4	145.5	FGGG		
2710-03161	00000/0000	2-20038/0426	01/01/77	30	9892	3441N 09642E	23.4	144.8	GGGG		
2710-03164	00000/0000	2-20038/0427	01/01/77	40	9892	3314N 09616E	24.4	144.2	GGGG		
2710-03170	00000/0000	2-20038/0428	01/01/77	10	9892	3148N 09550E	25.4	143.5	GGGG		
2710-03173	00000/0000	2-20038/0429	01/01/77	10	9892	3022N 09525E	26.4	142.8	GGGG		
2710-03175	00000/0000	2-20038/0430	01/01/77	10	9892	2857N 09501E	27.4	142.1	GGGG		
2710-03182	00000/0000	2-20038/0431	01/01/77	10	9892	2730N 09437E	28.3	141.4	GGGG		
2710-03184	00000/0000	2-20038/0432	01/01/77	10	9892	2604N 09413E	29.3	140.7	GGGG		
2710-03191	00000/0000	2-20038/0433	01/01/77	10	9892	2438N 09350E	30.2	139.9	GGGG		
2710-03193	00000/0000	2-20038/0434	01/01/77	10	9892	2311N 09328E	31.2	139.2	GGGG		
2710-03200	00000/0000	2-20038/0435	01/01/77	10	9892	2144N 09306E	32.1	138.4	GGGG		
2710-03202	00000/0000	2-20038/0436	01/01/77	20	9892	2017N 09244E	33.0	137.5	GGGG		
2710-03205	00000/0000	2-20038/0437	01/01/77	60	9892	1850N 09223E	33.9	136.7	FGGG		
2710-04540	00000/0000	2-20038/0419	01/01/77	10	9893	5309N 07807E	9.7	152.9	P F		
2710-04543	00000/0000	2-20038/0438	01/01/77	0	9893	5144N 07725E	10.8	152.3	PFFF		

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS= BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN
2710-04552	00000/0000	2-2003R/0439	01/01/77	0	9893	4855N 07605E	12.9	151.0	FFFF		
2710-04570	00000/0000	2-2003R/0440	01/01/77	90	9893	4314N 07346E	17.2	148.6	FFFF		
2710-04572	00000/0000	2-2003R/0441	01/01/77	80	9893	4149N 07315E	18.2	147.9	FGGG		
2710-04575	00000/0000	2-2003R/0442	01/01/77	90	9893	4023N 07244E	19.3	147.3	FFGG		
2710-04581	00000/0000	2-2003R/0443	01/01/77	90	9893	3858N 07215E	20.3	146.7	GGGG		
2710-04584	00000/0000	2-2003R/0444	01/01/77	100	9893	3732N 07147E	21.3	146.1	GGGG		
2710-04590	00000/0000	2-2003R/0445	01/01/77	90	9893	3606N 07119E	22.4	145.5	GGGG		
2710-04593	00000/0000	2-2003R/0446	01/01/77	90	9893	3441N 07053E	23.4	144.8	FGGG		
2710-04595	00000/0000	2-2003R/0447	01/01/77	70	9893	3315N 07027E	24.4	144.2	FGGG		
2710-05002	00000/0000	2-2003R/0448	01/01/77	90	9893	3148N 07001E	25.4	143.5	GGGG		
2710-05004	00000/0000	2-2003R/0449	01/01/77	60	9893	3022N 06936E	26.4	142.8	FFGG		
2710-05011	00000/0000	2-2003R/0450	01/01/77	20	9893	2856N 06912E	27.4	142.1	GFGG		
2710-05013	00000/0000	2-2003R/0451	01/01/77	30	9893	2729N 06848E	28.3	141.4	GGGG		
2710-05020	00000/0000	2-2003R/0452	01/01/77	10	9893	2602N 06824E	29.3	140.7	GGGG		
2710-05022	00000/0000	2-2003R/0453	01/01/77	0	9893	2436N 06801E	30.2	139.9	GFGG		
2710-05025	00000/0000	2-2003R/0454	01/01/77	10	9893	2309N 06738E	31.2	139.1	FFGG		
2710-05031	00000/0000	2-2003R/0455	01/01/77	0	9893	2143N 06716E	32.1	138.3	FGFG		
2710-05034	00000/0000	2-2003R/0456	01/01/77	0	9893	2016N 06654E	33.0	137.5	FGFG		
2710-06374	00000/0000	2-2003R/0589	01/01/77	0	9894	5145N 05135E	10.8	152.3	GGGG		
2710-06404	00000/0000	2-2003R/0590	01/01/77	40	9894	4149N 04725E	18.2	147.9	GGGG		
2710-06410	00000/0000	2-2003R/0591	01/01/77	90	9894	4024N 04655E	19.3	147.3	GGGF		
2710-06413	00000/0000	2-2003R/0592	01/01/77	80	9894	3858N 04626E	20.3	146.7	GGGG		
2710-08210	00000/0000	2-2003R/0593	01/01/77	90	9895	5144N 02545E	10.8	152.2	GGGF		
2710-08212	00000/0000	2-2003R/0594	01/01/77	70	9895	5019N 02504E	11.9	151.6	GGGG		
2710-08215	00000/0000	2-2003R/0595	01/01/77	60	9895	4855N 02426E	12.9	151.0	GGGG		
2710-08221	00000/0000	2-2003R/0596	01/01/77	20	9895	4730N 02349E	14.0	150.3	GGGG		
2710-13305	00000/0000	2-2003R/0362	01/01/77	80	9898	5145N 05139W	10.8	152.2	GGGG		
2710-13311	00000/0000	2-2003R/0363	01/01/77	80	9898	5020N 05220W	11.9	151.6	GGGG		
2710-13314	00000/0000	2-2003R/0364	01/01/77	80	9898	4855N 05259W	12.9	150.9	GGGG		
2710-13320	00000/0000	2-2003R/0365	01/01/77	70	9898	4730N 05335W	14.0	150.3	GGGG		
2710-13323	00000/0000	2-2003R/0366	01/01/77	30	9898	4606N 05410W	15.1	149.7	GGGG		
2710-13325	00000/0000	2-2003R/0367	01/01/77	40	9898	4440N 05444W	16.1	149.1	GGGG		
2710-13332	00000/0000	2-2003R/0368	01/01/77	80	9898	4315N 05517W	17.2	148.5	GGGG		
2710-13334	00000/0000	2-2003R/0369	01/01/77	80	9898	4150N 05549W	18.2	147.9	GGGG		
2711-01375	00000/0000	2-2003R/0465	01/02/77	60	9905	3734N 12159E	21.4	146.0	GGG		
2711-01381	00000/0000	2-2003R/0466	01/02/77	50	9905	3607N 12131E	22.4	145.3	GGGG		

KEYS: CLOUD COVER X ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

18123 FEB 17, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/01/77 TO 01/31/77

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OBSERVATION ID	MICROFILM RELI NO./ POSITION IN RELI RBV	MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	PRINT LONG	SUN ELEV.	SUN AZIM.	IMAGE QUAL RBV	MSS DATA MODE	MSS IMAGE GAIN
2711-01384	00000/0000	2-20038/0467	01/02/77	90	9905	3441N	12104E	23.4	144.7	GGGG		
2711-01390	00000/0000	2-20038/0468	01/02/77	100	9905	3315N	12038E	24.4	144.0	GGGG		
2711-01393	00000/0000	2-20038/0469	01/02/77	100	9905	3149N	12013E	25.4	143.4	GGGG		
2711-01395	00000/0000	2-20038/0470	01/02/77	100	9905	3023N	11948E	26.4	142.7	GGGG		
2711-01402	00000/0000	2-20038/0471	01/02/77	100	9905	2856N	11923E	27.4	142.0	GGGG		
2711-01404	00000/0000	2-20038/0472	01/02/77	100	9905	2730N	11900E	28.3	141.3	GGGG		
2711-01411	00000/0000	2-20038/0473	01/02/77	100	9905	2604N	11836E	29.3	140.5	GGGG		
2711-01413	00000/0000	2-20038/0474	01/02/77	100	9905	2438N	11813E	30.2	139.8	GGGG		
2711-03190	00000/0000	2-20038/0521	01/02/77	10	9906	4440N	09840E	16.2	149.0	F		
2711-03192	00000/0000	2-20038/0522	01/02/77	0	9906	4315N	09808E	17.2	148.4	FGGG		
2711-03195	00000/0000	2-20038/0523	01/02/77	30	9906	4149N	09736E	18.3	147.8	FGGG		
2711-03201	00000/0000	2-20038/0524	01/02/77	90	9906	4024N	09706E	19.3	147.2	GGGG		
2711-03204	00000/0000	2-20038/0525	01/02/77	70	9906	3858N	09637E	20.3	146.6	GGGG		
2711-03210	00000/0000	2-20038/0526	01/02/77	40	9906	3732N	09609E	21.4	146.0	PGFG		
2711-03213	00000/0000	2-20038/0527	01/02/77	10	9906	3606N	09541E	22.4	145.3	FGFG		
2711-03215	00000/0000	2-20038/0528	01/02/77	0	9906	3440N	09514E	23.4	144.7	GGGG		
2711-03222	00000/0000	2-20038/0529	01/02/77	10	9906	3313N	09448E	24.4	144.0	GGGG		
2711-03224	00000/0000	2-20038/0530	01/02/77	10	9906	3147N	09423E	25.4	143.4	GGGG		
2711-03231	00000/0000	2-20038/0531	01/02/77	0	9906	3021N	09358E	26.4	142.7	GGGG		
2711-03233	00000/0000	2-20038/0532	01/02/77	10	9906	2855N	09334E	27.4	142.0	GGGG		
2711-03240	00000/0000	2-20038/0533	01/02/77	10	9906	2730N	09310E	28.3	141.3	GGGG		
2711-03242	00000/0000	2-20038/0534	01/02/77	10	9906	2604N	09246E	29.3	140.5	GGGG		
2711-03245	00000/0000	2-20038/0535	01/02/77	0	9906	2437N	09223E	30.2	139.8	GGGG		
2711-03251	00000/0000	2-20038/0536	01/02/77	10	9906	2310N	09200E	31.2	139.0	FGFF		
2711-03254	00000/0000	2-20038/0537	01/02/77	10	9906	2143N	09138E	32.1	138.2	FGFF		
2711-03260	00000/0000	2-20038/0538	01/02/77	10	9906	2016N	09116E	33.0	137.3	GGGF		
2711-03263	00000/0000	2-20038/0539	01/02/77	40	9906	1850N	09055E	33.9	136.5	FGGF		
2711-03265	00000/0000	2-20038/0540	01/02/77	50	9906	1724N	09034E	34.8	135.6	GGGF		
2711-04594	00000/0000	2-20038/0541	01/02/77	0	9907	5310N	07640E	9.8	152.8	GGGG		
2711-05001	00000/0000	2-20038/0542	01/02/77	0	9907	5145N	07558E	10.8	152.1	FGGG		
2711-05003	00000/0000	2-20038/0543	01/02/77	0	9907	5020N	07518E	11.9	151.5	GGGG		
2711-05010	00000/0000	2-20038/0544	01/02/77	0	9907	4855N	07440E	13.0	150.8	FGGG		
2711-05012	00000/0000	2-20038/0545	01/02/77	10	9907	4730N	07404E	14.0	150.2	GGGG		
2711-05015	00000/0000	2-20038/0546	01/02/77	40	9907	4605N	07328E	15.1	149.6	GGGG		
2711-05021	00000/0000	2-20038/0547	01/02/77	80	9907	4439N	07254E	16.2	149.0	FGGG		
2711-05024	00000/0000	2-20038/0548	01/02/77	100	9907	4314N	07221E	17.2	148.4	GGGG		

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
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OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL RBV	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	PRINCIPAL POINT OF IMAGE LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN
2711-05030	00000/0000 2-20038/0549	01/02/77	90	9907	4149N	07150E	18.3	147.8	GGGG		
2711-05033	00000/0000 2-20038/0550	01/02/77	90	9907	4023N	07119E	19.3	147.2	GGGG		
2711-05035	00000/0000 2-20038/0551	01/02/77	90	9907	3857N	07050E	20.3	146.6	FGGG		
2711-05042	00000/0000 2-20038/0552	01/02/77	90	9907	3732N	07022E	21.4	145.9	GGGG		
2711-05044	00000/0000 2-20038/0553	01/02/77	40	9907	3606N	06954E	22.4	145.3	GGGG		
2711-05051	00000/0000 2-20038/0554	01/02/77	10	9907	3440N	06926E	23.4	144.7	FFFF		
2711-05053	00000/0000 2-20038/0555	01/02/77	20	9907	3314N	06900E	24.4	144.0	FFFG		
2711-05060	00000/0000 2-20038/0556	01/02/77	30	9907	3148N	06834E	25.4	143.3	GGGG		
2711-05062	00000/0000 2-20038/0557	01/02/77	10	9907	3022N	06809E	26.4	142.7	GGGF		
2711-05065	00000/0000 2-20038/0558	01/02/77	0	9907	2855N	06745E	27.4	142.0	FFGG		
2711-05071	00000/0000 2-20038/0559	01/02/77	10	9907	2728N	06721E	28.3	141.2	GGGG		
2711-05074	00000/0000 2-20038/0560	01/02/77	0	9907	2602N	06658E	29.3	140.5	GGGG		
2711-05080	00000/0000 2-20038/0561	01/02/77	10	9907	2436N	06635E	30.2	139.7	FFFF		
2711-05083	00000/0000 2-20038/0562	01/02/77	10	9907	2309N	06612E	31.2	139.0	FFFF		
2711-05085	00000/0000 2-20038/0563	01/02/77	0	9907	2143N	06550E	32.1	138.2	FFFP		
2711-06433	00000/0000 2-20038/0475	01/02/77	0	9908	5144N	05009E	10.8	152.1	GGGG		
2711-06460	00000/0000 2-20038/0476	01/02/77	20	9908	4313N	04632E	17.2	148.4	GGGG		
2711-06462	00000/0000 2-20038/0477	01/02/77	70	9908	4148N	04600E	18.3	147.8	GGGG		
2711-06465	00000/0000 2-20038/0478	01/02/77	90	9908	4023N	04530E	19.3	147.2	GGGG		
2711-06471	00000/0000 2-20038/0479	01/02/77	90	9908	3857N	04500E	20.3	146.6	GGGG		
2711-08271	00000/0000 2-20038/0480	01/02/77	90	9909	5018N	02339E	11.9	151.5	GGGG		
2711-13360	00000/0000 2-20038/0091	01/02/77	90	9912	5309N	05224W	9.8	152.7	FGGG		
2711-13363	00000/0000 2-20038/0092	01/02/77	100	9912	5144N	05307W	10.8	152.1	GGGG		
2711-13365	00000/0000 2-20038/0093	01/02/77	80	9912	5020N	05347W	11.9	151.4	GGGG		
2711-13372	00000/0000 2-20038/0094	01/02/77	10	9912	4855N	05426W	13.0	150.8	GGGG		
2711-13374	00000/0000 2-20038/0095	01/02/77	10	9912	4729N	05504W	14.0	150.2	GGGG		
2711-13381	00000/0000 2-20038/0096	01/02/77	40	9912	4604N	05539W	15.1	149.6	GGGG		
2711-13383	00000/0000 2-20038/0097	01/02/77	60	9912	4439N	05613W	16.2	149.0	GGGG		
2711-13390	00000/0000 2-20038/0098	01/02/77	70	9912	4314N	05645W	17.2	148.3	GGGG		
2711-13392	00000/0000 2-20038/0099	01/02/77	60	9912	4148N	05717W	18.3	147.7	GGGG		
2711-17033	00000/0000 2-20038/0694	01/02/77	80	9914	5021N	10527W	11.9	151.4	FGGG		
2712-01435	00000/0000 2-20038/0584	01/03/77	10	9919	3606N	12006E	22.4	145.2	GGGG		
2712-01444	00000/0000 2-20038/0574	01/03/77	30	9919	3314N	11913E	24.4	143.9	GGG		
2712-01451	00000/0000 2-20038/0575	01/03/77	80	9919	3148N	11847E	25.4	143.2	FGGG		
2712-01453	00000/0000 2-20038/0576	01/03/77	100	9919	3022N	11822E	26.4	142.5	GGGG		
2712-01471	00000/0000 2-20038/0577	01/03/77	80	9919	2437N	11648E	30.2	139.6	GGGG		

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN
2712-01474	00000/0000	2-20038/0578	01/03/77	70	9919	2311N	11626E	31.2	138.8	GGGG	
2712-03242	00000/0000	2-20038/0608	01/03/77	0	9920	4604N	09749E	15.1	149.5	GGGG	
2712-03244	00000/0000	2-20038/0609	01/03/77	0	9920	4439N	09715E	16.2	148.9	FGGF	
2712-03251	00000/0000	2-20038/0610	01/03/77	0	9920	4314N	09642E	17.2	148.3	GGGF	
2712-03253	00000/0000	2-20038/0611	01/03/77	20	9920	4148N	09611E	18.3	147.6	GGGG	
2712-03260	00000/0000	2-20038/0612	01/03/77	30	9920	4023N	09541E	19.3	147.0	FGGG	
2712-03262	00000/0000	2-20038/0613	01/03/77	20	9920	3857N	09512E	20.4	146.4	GGGG	
2712-03265	00000/0000	2-20038/0614	01/03/77	40	9920	3731N	09443E	21.4	145.8	GGFG	
2712-03271	00000/0000	2-20038/0615	01/03/77	80	9920	3606N	09416E	22.4	145.2	GGGG	
2712-03274	00000/0000	2-20038/0616	01/03/77	70	9920	3440N	09349E	23.4	144.5	GGGG	
2712-03280	00000/0000	2-20038/0617	01/03/77	80	9920	3313N	09323E	24.4	143.9	GGGF	
2712-03283	00000/0000	2-20038/0618	01/03/77	90	9920	3147N	09257E	25.4	143.2	GGGG	
2712-03285	00000/0000	2-20038/0619	01/03/77	80	9920	3021N	09232E	26.4	142.5	GGGG	
2712-03292	00000/0000	2-20038/0620	01/03/77	40	9920	2855N	09208E	27.4	141.8	GGGG	
2712-03294	00000/0000	2-20038/0621	01/03/77	10	9920	2728N	09144E	28.3	141.1	FGGG	
2712-03301	00000/0000	2-20038/0622	01/03/77	10	9920	2602N	09121E	29.3	140.3	GGGG	
2712-03303	00000/0000	2-20038/0623	01/03/77	10	9920	2436N	09058E	30.2	139.6	GGGG	
2712-03310	00000/0000	2-20038/0624	01/03/77	0	9920	2309N	09035E	31.2	138.8	GGGG	
2712-03312	00000/0000	2-20038/0625	01/03/77	0	9920	2142N	09014E	32.1	138.0	GGFF	
2712-03315	00000/0000	2-20038/0626	01/03/77	10	9920	2015N	08952E	33.0	137.2	FFGF	
2712-03321	00000/0000	2-20038/0627	01/03/77	0	9920	1849N	08930E	33.9	136.3	GGFF	
2712-03324	00000/0000	2-20038/0628	01/03/77	10	9920	1723N	08908E	34.7	135.4	FGGF	
2712-03330	00000/0000	2-20038/0629	01/03/77	30	9920	1556N	08847E	35.6	134.5	GGGG	
2712-05053	00000/0000	2-20038/0630	01/03/77	10	9921	5309N	07516E	9.8	152.6	PPPF	
2712-05055	00000/0000	2-20038/0631	01/03/77	0	9921	5145N	07433E	10.9	152.0	FFFF	
2712-05062	00000/0000	2-20038/0632	01/03/77	10	9921	5019N	07352E	12.0	151.3	PPFF	
2712-05064	00000/0000	2-20038/0633	01/03/77	10	9921	4854N	07313E	13.0	150.7	FFFF	
2712-05071	00000/0000	2-20038/0634	01/03/77	40	9921	4730N	07236E	14.1	150.1	GGGG	
2712-05073	00000/0000	2-20038/0635	01/03/77	70	9921	4604N	07201E	15.2	149.5	GGGG	
2712-05080	00000/0000	2-20038/0636	01/03/77	90	9921	4439N	07126E	16.2	148.9	GGGG	
2712-05082	00000/0000	2-20038/0637	01/03/77	90	9921	4313N	07054E	17.3	148.2	GGGG	
2712-05085	00000/0000	2-20038/0638	01/03/77	90	9921	4148N	07022E	18.3	147.6	FGGG	
2712-05091	00000/0000	2-20038/0639	01/03/77	90	9921	4023N	06952E	19.3	147.0	GGGG	
2712-05094	00000/0000	2-20038/0640	01/03/77	90	9921	3857N	06923E	20.4	146.4	GGGG	
2712-05100	00000/0000	2-20038/0641	01/03/77	90	9921	3731N	06855E	21.4	145.8	GGGG	
2712-05103	00000/0000	2-20038/0642	01/03/77	90	9921	3605N	06827E	22.4	145.1	GGGG	

KEYS: CLOUD COVER % ..... 0 TO 100 % CLOUD COVER,  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

18:23 FEB 17, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NBN-US  
FROM 01/01/77 TO 01/31/77

PAGE 0038

OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL REV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN
2712-05105	00000/0000	2-20038/0643	01/03/77	90	9921	3439N 06800E	23.4	144.5	GGGG		
2712-05112	00000/0000	2-20038/0644	01/03/77	90	9921	3313N 06734E	24.4	143.8	GGGF		
2712-05114	00000/0000	2-20038/0645	01/03/77	90	9921	3147N 06709E	25.4	143.2	GGGG		
2712-05121	00000/0000	2-20038/0646	01/03/77	90	9921	3021N 06644E	26.4	142.5	GGGF		
2712-05123	00000/0000	2-20038/0647	01/03/77	70	9921	2854N 06620E	27.4	141.8	GGGG		
2712-05130	00000/0000	2-20038/0648	01/03/77	20	9921	2728N 06556E	28.4	141.1	GGGG		
2712-05132	00000/0000	2-20038/0649	01/03/77	20	9921	2602N 06533E	29.3	140.3	FGGG		
2712-05135	00000/0000	2-20038/0650	01/03/77	20	9921	2436N 06510E	30.2	139.6	FFFF		
2712-05141	00000/0000	2-20038/0651	01/03/77	10	9921	2309N 06447E	31.2	138.8	FFFF		
2712-05144	00000/0000	2-20038/0652	01/03/77	20	9921	2143N 06424E	32.1	138.0	GGGG		
2712-06502	00000/0000	2-20038/0579	01/03/77	0	9922	4729N 04647E	14.1	150.1	GGGG		
2712-06505	00000/0000	2-20038/0580	01/03/77	0	9922	4604N 04612E	15.2	149.4	GGGG		
2712-06511	00000/0000	2-20038/0581	01/03/77	0	9922	4438N 04538E	16.2	148.8	GGGG		
2712-06514	00000/0000	2-20038/0582	01/03/77	10	9922	4313N 04505E	17.3	148.2	GGGG		
2712-06520	00000/0000	2-20038/0573	01/03/77	40	9922	4148N 04434E	18.3	147.6	GGGG		
2712-06523	00000/0000	2-20038/0583	01/03/77	20	9922	4022N 04403E	19.3	147.0	GGGG		
2712-13415	00000/0000	2-20038/0654	01/03/77	90	9926	5309N 05351W	9.8	152.6	FGGG		
2712-13421	00000/0000	2-20038/0655	01/03/77	90	9926	5145N 05433W	10.9	151.9	FGGF		
2712-13424	00000/0000	2-20038/0656	01/03/77	90	9926	5021N 05514W	12.0	151.3	FGGG		
2712-13430	00000/0000	2-20038/0657	01/03/77	90	9926	4856N 05552W	13.0	150.6	FGGG		
2712-13433	00000/0000	2-20038/0658	01/03/77	90	9926	4731N 05629W	14.1	150.0	GGGG		
2712-13435	00000/0000	2-20038/0659	01/03/77	100	9926	4605N 05704W	15.2	149.4	GGGG		
2712-13442	00000/0000	2-20038/0660	01/03/77	100	9926	4440N 05738W	16.2	148.8	GGGG		
2712-13444	00000/0000	2-20038/0661	01/03/77	90	9926	4314N 05811W	17.3	148.2	GGGG		
2712-13451	00000/0000	2-20038/0662	01/03/77	90	9926	4148N 05843W	18.3	147.6	GGGG		
2712-17091	00000/0000	2-20038/0772	01/03/77	90	9928	5019N 10652W	12.0	151.3	GGGG		
2713-01485	00000/0000	2-20038/0695	01/04/77	10	9933	3857N 11935E	20.4	146.3	FGGF		
2713-01491	00000/0000	2-20038/0696	01/04/77	10	9933	3732N 11906E	21.4	145.6	FGGF		
2713-01494	00000/0000	2-20038/0697	01/04/77	0	9933	3606N 11839E	22.4	145.0	FGGG		
2713-01503	00000/0000	2-20038/0698	01/04/77	50	9933	3313N 11746E	24.4	143.7	GGGG		
2713-01505	00000/0000	2-20038/0699	01/04/77	90	9933	3148N 11721E	25.4	143.0	GGGG		
2713-01512	00000/0000	2-20038/0700	01/04/77	100	9933	3022N 11656E	26.4	142.3	GGGG		
2713-01514	00000/0000	2-20038/0701	01/04/77	100	9933	2856N 11631E	27.4	141.6	GF F		
2713-01521	00000/0000	2-20038/0702	01/04/77	100	9933	2729N 11608E	28.4	140.9	GGGF		
2713-01523	00000/0000	2-20038/0703	01/04/77	100	9933	2603N 11545E	29.3	140.2	GGG		
2713-01530	00000/0000	2-20038/0704	01/04/77	100	9933	2437N 11522E	30.2	139.4	GGGG		

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN=US  
FROM 01/01/77 TO 01/31/77

PAGE 0039

OBSERVATION ID	MICROFILM REL. NO./ POSITION IN REL. RBV	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	PRINCIPAL POINT OF IMAGE LONG	SUN ELEV.	SUN AZIM.	IMAGE=QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN
									123 45678		
2713-01532	00000/0000 2-20038/0705	01/04/77	100	9933	2310N	11459E	31.2	138.6	GGGG		
2713-03305	00000/0000 2-20038/1105	01/04/77	10	9934	4313N	09517E	17.3	148.1	FF		
2713-03311	00000/0000 2-20038/1106	01/04/77	0	9934	4148N	09445E	18.3	147.5	FFG		
2713-03314	00000/0000 2-20038/1107	01/04/77	30	9934	4022N	09415E	19.4	146.9	PF		
2713-03320	00000/0000 2-20038/1108	01/04/77	30	9934	3857N	09346E	20.4	146.3	FGFG		
2713-03323	00000/0000 2-20038/1109	01/04/77	30	9934	3731N	09318E	21.4	145.6	GGP		
2713-03325	00000/0000 2-20038/1110	01/04/77	50	9934	3605N	09250E	22.4	145.0	FFFF		
2713-03332	00000/0000 2-20038/1111	01/04/77	60	9934	3439N	09223E	23.5	144.3	PPPP		
2713-03334	00000/0000 2-20038/1112	01/04/77	40	9934	3313N	09157E	24.5	143.7	FGGG		
2713-03341	00000/0000 2-20038/1104	01/04/77	30	9934	3147N	09132E	25.4	143.0	P P		
2713-03343	00000/0000 2-20038/1113	01/04/77	10	9934	3021N	09107E	26.4	142.3	FGGG		
2713-03350	00000/0000 2-20038/1114	01/04/77	10	9934	2855N	09042E	27.4	141.6	FGGG		
2713-03352	00000/0000 2-20038/1115	01/04/77	0	9934	2729N	09018E	28.4	140.9	PGGP		
2713-03355	00000/0000 2-20038/1116	01/04/77	0	9934	2603N	08955E	29.3	140.2	PPPP		
2713-03364	00000/0000 2-20038/1117	01/04/77	0	9934	2309N	08910E	31.2	138.6	FFFG		
2713-03370	00000/0000 2-20038/1118	01/04/77	0	9934	2142N	08848E	32.1	137.8	PPG		
2713-03373	00000/0000 2-20038/1119	01/04/77	0	9934	2016N	08826E	33.0	137.0	FGFP		
2713-03375	00000/0000 2-20038/1120	01/04/77	0	9934	1850N	08804E	33.9	136.1	GGGF		
2713-03382	00000/0000 2-20038/1121	01/04/77	10	9934	1723N	08743E	34.7	135.2	FGGG		
2713-03384	00000/0000 2-20038/1122	01/04/77	40	9934	1556N	08722E	35.6	134.3	GGGG		
2713-03391	00000/0000 2-20038/1123	01/04/77	30	9934	1430N	08701E	36.4	133.4	FGGG		
2713-05111	00000/0000 2-20038/1124	01/04/77	0	9935	5309N	07349E	9.9	152.5	PGFF		
2713-05113	00000/0000 2-20038/1125	01/04/77	0	9935	5144N	07306E	11.0	151.8	FGGF		
2713-05120	00000/0000 2-20038/1126	01/04/77	10	9935	5019N	07225E	12.0	151.2	FGG		
2713-05122	00000/0000 2-20038/1127	01/04/77	20	9935	4854N	07147E	13.1	150.5	FF		
2713-05125	00000/0000 2-20038/1128	01/04/77	90	9935	4729N	07109E	14.1	149.9	GGGG		
2713-05131	00000/0000 2-20038/1129	01/04/77	80	9935	4604N	07034E	15.2	149.3	GGGG		
2713-05134	00000/0000 2-20038/1130	01/04/77	70	9935	4439N	07000E	16.3	148.7	FGGF		
2713-05140	00000/0000 2-20038/1131	01/04/77	70	9935	4313N	06927E	17.3	148.1	GGFG		
2713-05143	00000/0000 2-20038/1132	01/04/77	80	9935	4148N	06855E	18.3	147.5	GGGG		
2713-05145	00000/0000 2-20038/1133	01/04/77	90	9935	4022N	06825E	19.4	146.9	GGGG		
2713-05152	00000/0000 2-20038/1134	01/04/77	90	9935	3856N	06757E	20.4	146.2	GGGG		
2713-05154	00000/0000 2-20038/1135	01/04/77	100	9935	3731N	06729E	21.4	145.6	GGGG		
2713-05161	00000/0000 2-20038/1136	01/04/77	80	9935	3606N	06702E	22.5	145.0	GGGG		
2713-05163	00000/0000 2-20038/1137	01/04/77	70	9935	3440N	06635E	23.5	144.3	GGGG		
2713-05170	00000/0000 2-20038/1138	01/04/77	60	9935	3313N	06608E	24.5	143.7	GGGG		

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

18123 FEB 17, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/01/77 TO 01/31/77

PAGE 0040

OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL RBV	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN
2713-05172	00000/0000 2-20038/1139	01/04/77	30	9935	3147N 06542E	25.5	143.0	FGFG		
2713-05175	00000/0000 2-20038/1140	01/04/77	80	9935	3020N 06517E	26.4	142.3	GGGG		
2713-05181	00000/0000 2-20038/1141	01/04/77	40	9935	2854N 06453E	27.4	141.6	FGGG		
2713-05184	00000/0000 2-20038/1142	01/04/77	40	9935	2728N 06429E	28.4	140.9	FGGG		
2713-05190	00000/0000 2-20038/1143	01/04/77	30	9935	2601N 06405E	29.3	140.2	GGGF		
2713-05193	00000/0000 2-20038/1144	01/04/77	40	9935	2435N 06342E	30.3	139.4	GFGF		
2713-05195	00000/0000 2-20038/1145	01/04/77	20	9935	2308N 06319E	31.2	138.6	GGGG		
2713-05202	00000/0000 2-20038/1146	01/04/77	20	9935	2141N 06257E	32.1	137.8	GGGG		
2713-06560	00000/0000 2-20038/0706	01/04/77	0	9936	4728N 04520E	14.2	149.9	GGGG		
2713-06563	00000/0000 2-20038/0707	01/04/77	0	9936	4603N 04444E	15.2	149.3	GPG		
2713-06565	00000/0000 2-20038/0708	01/04/77	10	9936	4439N 04410E	16.3	148.7	GGGG		
2713-06572	00000/0000 2-20038/0709	01/04/77	10	9936	4313N 04337E	17.3	148.1	GGGG		
2713-13473	00000/0000 2-20038/0764	01/04/77	20	9940	5309N 05517W	9.9	152.4	FFFF		
2713-13475	00000/0000 2-20038/0765	01/04/77	10	9940	5145N 05600W	11.0	151.8	FGGG		
2713-13484	00000/0000 2-20038/0766	01/04/77	80	9940	4855N 05719W	13.1	150.5	GGGG		
2713-13491	00000/0000 2-20038/0767	01/04/77	90	9940	4730N 05755W	14.2	149.9	GGGG		
2713-13493	00000/0000 2-20038/0768	01/04/77	80	9940	4605N 05830W	15.2	149.3	FGGG		
2713-13500	00000/0000 2-20038/0769	01/04/77	100	9940	4440N 05904W	16.3	148.6	FGGG		
2713-13502	00000/0000 2-20038/0770	01/04/77	90	9940	4314N 05937W	17.3	148.0	FGGG		
2713-13505	00000/0000 2-20038/0771	01/04/77	90	9940	4149N 06008W	18.4	147.4	GGGG		
2713-17145	00000/0000 2-20038/0597	01/04/77	70	9942	5019N 10819W	12.0	151.1	GGFF		
2713-17204	00000/0000 2-20038/0598	01/04/77	90	9942	3021N 11524W	26.4	142.2	GGGG		
2714-01540	00000/0000 2-20038/0710	01/05/77	0	9947	4023N 11837E	19.4	146.7	FGGG		
2714-01543	00000/0000 2-20038/0711	01/05/77	0	9947	3858N 11808E	20.4	146.1	GGGF		
2714-01545	00000/0000 2-20038/0712	01/05/77	0	9947	3731N 11739E	21.5	145.5	GGGG		
2714-01552	00000/0000 2-20038/0713	01/05/77	0	9947	3605N 11712E	22.5	144.8	GGGG		
2714-01554	00000/0000 2-20038/0714	01/05/77	0	9947	3439N 11645E	23.5	144.2	GGG		
2714-01561	00000/0000 2-20038/0715	01/05/77	10	9947	3313N 11619E	24.5	143.5	GGGG		
2714-01563	00000/0000 2-20038/0716	01/05/77	40	9947	3148N 11554E	25.5	142.9	GGGG		
2714-01570	00000/0000 2-20038/0717	01/05/77	10	9947	3022N 11529E	26.4	142.2	GGGG		
2714-01572	00000/0000 2-20038/0718	01/05/77	10	9947	2856N 11504E	27.4	141.5	GGGG		
2714-01575	00000/0000 2-20038/0719	01/05/77	60	9947	2729N 11441E	28.4	140.7	GGGG		
2714-01581	00000/0000 2-20038/0720	01/05/77	70	9947	2603N 11418E	29.3	140.0	GGGG		
2714-01584	00000/0000 2-20038/0721	01/05/77	70	9947	2437N 11355E	30.3	139.2	GGGG		
2714-01590	00000/0000 2-20038/0722	01/05/77	30	9947	2310N 11333E	31.2	138.4	GGGG		
2714-03354	00000/0000 2-20038/0773	01/05/77	0	9948	4604N 09457E	15.3	149.2	GFGG		

KEYS: CLOUD COVER x ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MADE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

18:23 FEB 17, '77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NBN-US  
FROM 01/01/77 TO 01/31/77

PAGE 0041

OBSERVATION ID	MICROFILM ROLL No./ POSITION IN ROLL RBV	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	PRINCIPAL POINT OF IMAGE LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN
2714-03360	00000/0000	2-20038/0774	01/05/77	10	9948	4439N	09423E	16.3	148.6	GFG	
2714-03363	00000/0000	2-20038/0775	01/05/77	20	9948	4314N	09350E	17.3	147.9	GGFG	
2714-03365	00000/0000	2-20038/0776	01/05/77	0	9948	4148N	09319E	18.4	147.3	GGGG	
2714-03372	00000/0000	2-20038/0777	01/05/77	10	9948	4022N	09249E	19.4	146.7	GGGG	
2714-03374	00000/0000	2-20038/0778	01/05/77	10	9948	3857N	09220E	20.5	146.1	FGGG	
2714-03381	00000/0000	2-20038/0779	01/05/77	10	9948	3731N	09152E	21.5	145.5	FGGG	
2714-03383	00000/0000	2-20038/0780	01/05/77	30	9948	3604N	09123E	22.5	144.8	GGGG	
2714-03390	00000/0000	2-20038/0781	01/05/77	20	9948	3439N	09057E	23.5	144.2	FGGG	
2714-03392	00000/0000	2-20038/0782	01/05/77	30	9948	3313N	09030E	24.5	143.5	GGGG	
2714-03395	00000/0000	2-20038/0783	01/05/77	40	9948	3147N	09005E	25.5	142.8	GGGG	
2714-03401	00000/0000	2-20038/0784	01/05/77	20	9948	3022N	08940E	26.5	142.2	GGGG	
2714-03404	00000/0000	2-20038/0785	01/05/77	10	9948	2855N	08916E	27.4	141.4	GGGG	
2714-03410	00000/0000	2-20038/0786	01/05/77	10	9948	2729N	08852E	28.4	140.7	GGGG	
2714-03413	00000/0000	2-20038/0787	01/05/77	10	9948	2602N	08829E	29.3	140.0	GGGG	
2714-03415	00000/0000	2-20038/0788	01/05/77	0	9948	2435N	08806E	30.3	139.2	FGGG	
2714-03422	00000/0000	2-20038/0789	01/05/77	0	9948	2309N	08744E	31.2	138.4	GGGG	
2714-03424	00000/0000	2-20038/0790	01/05/77	0	9948	2142N	08721E	32.1	137.6	FGGG	
2714-03431	00000/0000	2-20038/0791	01/05/77	10	9948	2015N	08659E	33.0	136.8	FGGG	
2714-03433	00000/0000	2-20038/0792	01/05/77	10	9948	1848N	08638E	33.9	135.9	GFGE	
2714-03440	00000/0000	2-20038/0793	01/05/77	10	9948	1722N	08616E	34.7	135.0	FGGG	
2714-03442	00000/0000	2-20038/0794	01/05/77	30	9948	1556N	08555E	35.6	134.1	GGGG	
2714-03445	00000/0000	2-20038/0795	01/05/77	40	9948	1430N	08534E	36.4	133.2	GGGG	
2714-05165	00000/0000	2-20038/0796	01/05/77	80	9949	5308N	07223E	10.0	152.3	GGGG	
2714-05172	00000/0000	2-20038/0797	01/05/77	20	9949	5143N	07141E	11.0	151.7	GGGG	
2714-05174	00000/0000	2-20038/0798	01/05/77	30	9949	5019N	07100E	12.1	151.0	FGGG	
2714-05181	00000/0000	2-20038/0799	01/05/77	80	9949	4854N	07021E	13.2	150.4	GGGG	
2714-05183	00000/0000	2-20038/0800	01/05/77	80	9949	4729N	06943E	14.2	149.8	GGGG	
2714-05190	00000/0000	2-20038/0801	01/05/77	90	9949	4604N	06908E	15.3	149.2	GGGG	
2714-05192	00000/0000	2-20038/0802	01/05/77	50	9949	4439N	06834E	16.3	148.5	FGGG	
2714-05195	00000/0000	2-20038/0803	01/05/77	10	9949	4313N	06801E	17.4	147.9	GGGG	
2714-05204	00000/0000	2-20038/0804	01/05/77	70	9949	4022N	06700E	19.4	146.7	GFGE	
2714-05210	00000/0000	2-20038/0805	01/05/77	90	9949	3856N	06631E	20.5	146.1	FFFF	
2714-05213	00000/0000	2-20038/0806	01/05/77	90	9949	3731N	06603E	21.5	145.4	FFFF	
2714-05215	00000/0000	2-20038/0807	01/05/77	90	9949	3605N	06536E	22.5	144.8	FGGG	
2714-05222	00000/0000	2-20038/0808	01/05/77	90	9949	3439N	06510E	23.5	144.2	GGGG	
2714-05224	00000/0000	2-20038/0809	01/05/77	60	9949	3313N	06443E	24.5	143.5	GGGG	

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

18123 FEB 17, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/01/77 TO 01/31/77

PAGE 0042

OBSERVATION ID	MICROFILM ROLL No./ POSITION IN ROLL RBV	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS DATA 123 45678	MSS MODE	MSS IMAGE GAIN
2714-05231	00000/0000 2-20038/0810	01/05/77	40	9949	3146N	06417E	25.5 142.8	GGGG		
2714-05233	00000/0000 2-20038/0811	01/05/77	70	9949	3020N	06352E	26.5 142.1	GGGG		
2714-05240	00000/0000 2-20038/0812	01/05/77	70	9949	2853N	06327E	27.4 141.4	GGGG		
2714-05242	00000/0000 2-20038/0813	01/05/77	30	9949	2727N	06303E	28.4 140.7	FGGG		
2714-05245	00000/0000 2-20038/0814	01/05/77	10	9949	2600N	06239E	29.3 140.0	FGGG		
2714-05251	00000/0000 2-20038/0815	01/05/77	10	9949	2434N	06217E	30.3 139.2	FFFF		
2714-05254	00000/0000 2-20038/0816	01/05/77	10	9949	2307N	06154E	31.2 138.4	FF F		
2714-07012	00000/0000 2-20038/0723	01/05/77	100	9950	4853N	04431E	13.2 150.4	GGGG		
2714-07015	00000/0000 2-20038/0724	01/05/77	50	9950	4728N	04354E	14.2 149.8	GGGG		
2714-07021	00000/0000 2-20038/0725	01/05/77	60	9950	4602N	04318E	15.3 149.1	GGGG		
2714-07024	00000/0000 2-20038/0726	01/05/77	40	9950	4437N	04244E	16.3 148.5	GGGG		
2714-13531	00000/0000 2-20038/0599	01/05/77	100	9954	5309N	05643W	10.0 152.3	GGG		
2714-13533	00000/0000 2-20038/0600	01/05/77	90	9954	5144N	05725W	11.0 151.6	GGGG		
2714-13540	00000/0000 2-20038/0601	01/05/77	90	9954	5019N	05805W	12.1 151.0	GGGG		
2714-13542	00000/0000 2-20038/0602	01/05/77	90	9954	4855N	05843W	13.2 150.3	GGGG		
2714-13545	00000/0000 2-20038/0603	01/05/77	100	9954	4730N	05919W	14.2 149.7	GGGG		
2714-13551	00000/0000 2-20038/0604	01/05/77	100	9954	4605N	05955W	15.3 149.1	GGGG		
2714-13554	00000/0000 2-20038/0605	01/05/77	100	9954	4440N	06029W	16.3 148.5	GGGG		
2714-13560	00000/0000 2-20038/0606	01/05/77	100	9954	4314N	06102W	17.4 147.9	GGGG		
2714-13563	00000/0000 2-20038/0607	01/05/77	90	9954	4148N	06134W	18.4 147.3	GGGG		
2714-17203	00000/0000 2-20038/0822	01/05/77	90	9956	5019N	10945W	12.1 151.0	GGGG		
2715-01595	00000/0000 2-20038/0729	01/06/77	10	9961	4023N	11712E	19.5 146.6	GGGG		
2715-02001	00000/0000 2-20038/0730	01/06/77	20	9961	3857N	11643E	20.5 145.9	GGGG		
2715-02004	00000/0000 2-20038/0731	01/06/77	30	9961	3732N	11614E	21.5 145.3	FGGG		
2715-02010	00000/0000 2-20038/0732	01/06/77	0	9961	3606N	11547E	22.5 144.7	GGGF		
2715-02013	00000/0000 2-20038/0733	01/06/77	0	9961	3440N	11519E	23.5 144.0	GGG		
2715-02015	00000/0000 2-20038/0734	01/06/77	10	9961	3314N	11453E	24.5 143.4	GGGG		
2715-02022	00000/0000 2-20038/0735	01/06/77	20	9961	3148N	11428E	25.5 142.7	FGGG		
2715-02024	00000/0000 2-20038/0736	01/06/77	50	9961	3022N	11403E	26.5 142.0	GGGG		
2715-02031	00000/0000 2-20038/0737	01/06/77	100	9961	2855N	11339E	27.4 141.3	GGGG		
2715-02033	00000/0000 2-20038/0738	01/06/77	90	9961	2729N	11315E	28.4 140.6	GGGG		
2715-02040	00000/0000 2-20038/0739	01/06/77	90	9961	2602N	11252E	29.3 139.8	GGGG		
2715-02042	00000/0000 2-20038/0740	01/06/77	90	9961	2436N	11229E	30.3 139.0	GGGG		
2715-02045	00000/0000 2-20038/0741	01/06/77	100	9961	2310N	11207E	31.2 138.3	GGGG		
2715-02051	00000/0000 2-20038/0742	01/06/77	90	9961	2144N	11145E	32.1 137.4	GGGG		
2715-03403	00000/0000 2-20038/0823	01/06/77	70	9962	4854N	09442E	13.2 150.3	F FF		

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



18:23 FEB 17, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NAN-US  
FROM 01/01/77 TO 01/31/77

PAGE 0043

OBSERVATION ID	MICROFILM RELI. NR./ POSITION IN RELI RBV	MSS	DATE ACQUIRED	CLOUD COVER	SUN NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN
2715-03410	00000/0000	2-20038/0824	01/06/77	100	9962	4729N 09406E	14.3	149.6	FFGG		
2715-03412	00000/0000	2-20038/0825	01/06/77	80	9962	4604N 09331E	15.3	149.0	FGGG		
2715-03415	00000/0000	2-20038/0826	01/06/77	80	9962	4439N 09257E	16.4	148.4	GGG		
2715-03421	00000/0000	2-20038/0827	01/06/77	70	9962	4313N 09224E	17.4	147.8	PFGG		
2715-03424	00000/0000	2-20038/0828	01/06/77	90	9962	4148N 09152E	18.4	147.2	PGGG		
2715-03430	00000/0000	2-20038/0829	01/06/77	90	9962	4022N 09122E	19.5	146.5	FGGF		
2715-03433	00000/0000	2-20038/0830	01/06/77	70	9962	3856N 09052E	20.5	145.9	FGGG		
2715-03435	00000/0000	2-20038/0831	01/06/77	40	9962	3731N 09024E	21.5	145.3	GGGG		
2715-03442	00000/0000	2-20038/0832	01/06/77	70	9962	3605N 08956E	22.5	144.7	GGGG		
2715-03444	00000/0000	2-20038/0833	01/06/77	60	9962	3439N 08930E	23.5	144.0	GGGG		
2715-03451	00000/0000	2-20038/0834	01/06/77	40	9962	3313N 08904E	24.5	143.3	GGGG		
2715-03453	00000/0000	2-20038/0835	01/06/77	20	9962	3147N 08838E	25.5	142.7	GGGG		
2715-03460	00000/0000	2-20038/0836	01/06/77	10	9962	3020N 08813E	26.5	142.0	GGGG		
2715-03462	00000/0000	2-20038/0837	01/06/77	10	9962	2854N 08749E	27.5	141.3	GGGG		
2715-03465	00000/0000	2-20038/0838	01/06/77	10	9962	2727N 08725E	28.4	140.5	GGGG		
2715-03471	00000/0000	2-20038/0839	01/06/77	0	9962	2601N 08702E	29.3	139.8	FGGF		
2715-03474	00000/0000	2-20038/0840	01/06/77	0	9962	2434N 08639E	30.3	139.0	GGGG		
2715-03480	00000/0000	2-20038/0841	01/06/77	0	9962	2308N 08617E	31.2	138.2	FGGF		
2715-03483	00000/0000	2-20038/0842	01/06/77	0	9962	2141N 08555E	32.1	137.4	GGGG		
2715-03485	00000/0000	2-20038/0843	01/06/77	0	9962	2015N 08533E	33.0	136.6	GGGG		
2715-03492	00000/0000	2-20038/0844	01/06/77	0	9962	1849N 08511E	33.9	135.7	FGGG		
2715-03494	00000/0000	2-20038/0845	01/06/77	10	9962	1723N 08449E	34.7	134.8	GGGG		
2715-03501	00000/0000	2-20038/0846	01/06/77	10	9962	1556N 08428E	35.6	133.9	GFGG		
2715-03503	00000/0000	2-20038/0847	01/06/77	20	9962	1429N 08407E	36.4	133.0	GGGG		
2715-03510	00000/0000	2-20038/0848	01/06/77	60	9962	1302N 08347E	37.2	132.0	GGGG		
2715-05223	00000/0000	2-20038/0869	01/06/77	20	9963	5309N 07057E	10.0	152.2	F		
2715-05230	00000/0000	2-20038/0849	01/06/77	30	9963	5144N 07014E	11.1	151.5	FFFF		
2715-05232	00000/0000	2-20038/0850	01/06/77	40	9963	5019N 06933E	12.2	150.9	FFGF		
2715-05235	00000/0000	2-20038/0851	01/06/77	20	9963	4854N 06854E	13.2	150.2	FFGF		
2715-05241	00000/0000	2-20038/0852	01/06/77	20	9963	4729N 06817E	14.3	149.6	GFFG		
2715-05244	00000/0000	2-20038/0853	01/06/77	60	9963	4604N 06741E	15.3	149.0	GFGG		
2715-05250	00000/0000	2-20038/0854	01/06/77	30	9963	4438N 06708E	16.4	148.4	GGFG		
2715-05253	00000/0000	2-20038/0855	01/06/77	80	9963	4312N 06635E	17.4	147.8	GGGG		
2715-05255	00000/0000	2-20038/0856	01/06/77	20	9963	4147N 06604E	18.5	147.2	GGGG		
2715-05262	00000/0000	2-20038/0857	01/06/77	10	9963	4021N 06534E	19.5	146.5	GGGG		
2715-05264	00000/0000	2-20038/0858	01/06/77	30	9963	3856N 06504E	20.5	145.9	GGGG		

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

18123 FEB 17, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
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PAGE 0044

OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL RBV	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN
2715-05271	00000/0000	2-20038/0859	01/06/77	40	9963	3730N	06436E	21.5	145.3	FGGG	
2715-05273	00000/0000	2-20038/0860	01/06/77	70	9963	3604N	06408E	22.5	144.6	GGGG	
2715-05280	00000/0000	2-20038/0861	01/06/77	10	9963	3437N	06341E	23.5	144.0	GGGG	
2715-05282	00000/0000	2-20038/0862	01/06/77	60	9963	3311N	06315E	24.5	143.3	GGGG	
2715-05285	00000/0000	2-20038/0863	01/06/77	90	9963	3146N	06249E	25.5	142.7	GGGG	
2715-05291	00000/0000	2-20038/0864	01/06/77	100	9963	3020N	06224E	26.5	142.0	GGGG	
2715-05294	00000/0000	2-20038/0865	01/06/77	90	9963	2853N	06200E	27.5	141.3	GGGG	
2715-05300	00000/0000	2-20038/0866	01/06/77	60	9963	2727N	06137E	28.4	140.5	GGGG	
2715-05303	00000/0000	2-20038/0867	01/06/77	50	9963	2601N	06113E	29.4	139.8	GGGG	
2715-05305	00000/0000	2-20038/0868	01/06/77	40	9963	2435N	06050E	30.3	139.0	GGGG	
2715-07070	00000/0000	2-20038/0743	01/06/77	90	9964	4854N	04305E	13.2	150.2	FGGG	
2715-07073	00000/0000	2-20038/0744	01/06/77	60	9964	4730N	04228E	14.3	149.6	GGGG	
2715-07075	00000/0000	2-20038/0745	01/06/77	10	9964	4604N	04153E	15.3	149.0	GGGG	
2715-07082	00000/0000	2-20038/0746	01/06/77	40	9964	4438N	04119E	16.4	148.4	GGGG	
2715-13585	00000/0000	2-20038/0908	01/06/77	20	9968	5308N	05810W	10.1	152.2	GGGG	
2715-13592	00000/0000	2-20038/0909	01/06/77	10	9968	5144N	05852W	11.1	151.5	GGGG	
2715-13594	00000/0000	2-20038/0910	01/06/77	20	9968	5020N	05933W	12.2	150.8	GGGG	
2715-14001	00000/0000	2-20038/0911	01/06/77	60	9968	4855N	06012W	13.2	150.2	GGGG	
2715-14003	00000/0000	2-20038/0912	01/06/77	60	9968	4729N	06049W	14.3	149.6	GGGG	
2715-14010	00000/0000	2-20038/0913	01/06/77	30	9968	4604N	06124W	15.3	148.9	GGGG	
2715-14012	00000/0000	2-20038/0914	01/06/77	20	9968	4439N	06158W	16.4	148.3	GGGG	
2715-14015	00000/0000	2-20038/0915	01/06/77	70	9968	4313N	06230W	17.4	147.7	GGGG	
2715-14021	00000/0000	2-20038/0916	01/06/77	80	9968	4148N	06301W	18.5	147.1	GGGG	
2715-17255	00000/0000	2-20038/0727	01/06/77	100	9970	5145N	11032W	11.1	151.5	G GG	
2715-17261	00000/0000	2-20038/0728	01/06/77	90	9970	5020N	11112W	12.2	150.8	GGGG	
2716-00212	00000/0000	2-20038/0747	01/07/77	50	9974	4315N	14237E	17.5	147.7	GGGG	
2716-02050	00000/0000	2-20038/0748	01/07/77	0	9975	4148N	11616E	18.5	147.0	GGGG	
2716-02053	00000/0000	2-20038/0749	01/07/77	0	9975	4023N	11545E	19.5	146.4	GGG	
2716-02055	00000/0000	2-20038/0750	01/07/77	0	9975	3857N	11516E	20.5	145.8	GGGG	
2716-02062	00000/0000	2-20038/0751	01/07/77	0	9975	3731N	11447E	21.6	145.1	GGGG	
2716-02064	00000/0000	2-20038/0752	01/07/77	10	9975	3605N	11419E	22.6	144.5	GGGG	
2716-02071	00000/0000	2-20038/0753	01/07/77	90	9975	3440N	11352E	23.6	143.8	GGGG	
2716-02073	00000/0000	2-20038/0754	01/07/77	90	9975	3313N	11326E	24.6	143.2	GGGG	
2716-02080	00000/0000	2-20038/0755	01/07/77	100	9975	3147N	11301E	25.5	142.5	GGGG	
2716-02082	00000/0000	2-20038/0756	01/07/77	90	9975	3021N	11236E	26.5	141.8	GFGG	
2716-02085	00000/0000	2-20038/0757	01/07/77	80	9975	2854N	11212E	27.5	141.1	GGGG	

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

18123 FEB 17, '77

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OBSERVATION ID LISTING  
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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	SRBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN
2716-02091	00000/0000	2-20038/0758	01/07/77	70	9975	2728N 11148E	28.4	140.4	GGGG		
2716-02094	00000/0000	2-20038/0759	01/07/77	90	9975	2602N 11125E	29.4	139.6	GGGG		
2716-02100	00000/0000	2-20038/0760	01/07/77	90	9975	2437N 11102E	30.3	138.9	GGGG		
2716-02103	00000/0000	2-20038/0761	01/07/77	100	9975	2310N 11040E	31.2	138.1	GGGG		
2716-02105	00000/0000	2-20038/0762	01/07/77	100	9975	2142N 11018E	32.1	137.3	GGGG		
2716-02112	00000/0000	2-20038/0763	01/07/77	100	9975	2016N 10956E	33.0	136.4	GGGG		
2716-03470	00000/0000	2-20038/0917	01/07/77	70	9976	4604N 09204E	15.4	148.9	FFGG		
2716-03473	00000/0000	2-20038/0918	01/07/77	90	9976	4439N 09130E	16.4	148.2	FFGG		
2716-03475	00000/0000	2-20038/0919	01/07/77	90	9976	4313N 09059E	17.5	147.6	FFGG		
2716-03482	00000/0000	2-20038/0920	01/07/77	80	9976	4148N 09027E	18.5	147.0	FFGG		
2716-03484	00000/0000	2-20038/0921	01/07/77	90	9976	4022N 08957E	19.5	146.4	FFGG		
2716-03491	00000/0000	2-20038/0922	01/07/77	90	9976	3856N 08928E	20.6	145.8	FFGG		
2716-03493	00000/0000	2-20038/0923	01/07/77	20	9976	3730N 08900E	21.6	145.1	GGGG		
2716-03500	00000/0000	2-20038/0924	01/07/77	10	9976	3604N 08832E	22.6	144.5	GGGG		
2716-03502	00000/0000	2-20038/0925	01/07/77	10	9976	3438N 08805E	23.6	143.8	GGGG		
2716-03505	00000/0000	2-20038/0926	01/07/77	10	9976	3312N 08739E	24.6	143.2	GGGG		
2716-03511	00000/0000	2-20038/0927	01/07/77	10	9976	3146N 08713E	25.6	142.5	GGGG		
2716-03514	00000/0000	2-20038/0928	01/07/77	10	9976	3020N 08648E	26.5	141.8	GGGG		
2716-03520	00000/0000	2-20038/0929	01/07/77	0	9976	2853N 08623E	27.5	141.1	GGGG		
2716-03523	00000/0000	2-20038/0930	01/07/77	10	9976	2727N 08559E	28.4	140.4	GGGG		
2716-03525	00000/0000	2-20038/0931	01/07/77	0	9976	2601N 08536E	29.4	139.6	FFFF		
2716-03532	00000/0000	2-20038/0932	01/07/77	0	9976	2435N 08513E	30.3	138.8	GGGG		
2716-03534	00000/0000	2-20038/0933	01/07/77	0	9976	2308N 08450E	31.2	138.0	GGGG		
2716-03541	00000/0000	2-20038/0934	01/07/77	0	9976	2142N 08428E	32.1	137.2	GGGG		
2716-03543	00000/0000	2-20038/0935	01/07/77	0	9976	2014N 08406E	33.0	136.4	GGGG		
2716-03550	00000/0000	2-20038/0936	01/07/77	10	9976	1848N 08345E	33.9	135.5	GGGG		
2716-03552	00000/0000	2-20038/0937	01/07/77	10	9976	1722N 08324E	34.7	134.6	GGGG		
2716-03555	00000/0000	2-20038/0938	01/07/77	20	9976	1555N 08303E	35.6	133.7	GGGG		
2716-03561	00000/0000	2-20038/0939	01/07/77	50	9976	1428N 08242E	36.4	132.8	GGGG		
2716-03564	00000/0000	2-20038/0940	01/07/77	50	9976	1302N 08221E	37.2	131.8	FFGG		
2716-05211	00000/0000	2-20038/0941	01/07/77	80	9977	5308N 06931E	10.1	152.1	FFFF		
2716-05284	00000/0000	2-20038/0942	01/07/77	40	9977	5144N 06848E	11.2	151.4	FFFF		
2716-05215	00000/0000	2-20038/0943	01/07/77	30	9977	5019N 06807E	12.2	150.7	FFGG		
2716-05293	00000/0000	2-20038/0944	01/07/77	20	9977	4854N 06728E	13.3	150.1	FFFF		
2716-05295	00000/0000	2-20038/0945	01/07/77	60	9977	4729N 06650E	14.4	149.5	GGGG		
2716-05302	00000/0000	2-20038/0946	01/07/77	10	9977	4604N 06615E	15.4	148.8	GGGG		

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



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LANDSAT-2  
OBSERVATION ID LISTING  
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OBSERVATION ID	MICROFILM RELT NO./ POSITION IN RELT RBV	REL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN
2716-05304	00000/0000	2-2003R/0947	01/07/77	0	9977	4439N 06541E	16.4	148.2	GGGG		
2716-05311	00000/0000	2-2003R/0948	01/07/77	0	9977	4313N 06509E	17.5	147.6	GGGG		
2716-05313	00000/0000	2-2003R/0949	01/07/77	30	9977	4148N 06437E	18.5	147.0	PPFF		
2716-05320	00000/0000	2-2003R/0950	01/07/77	60	9977	4022N 06407E	19.5	146.4	FFFF		
2716-05322	00000/0000	2-2003R/0951	01/07/77	90	9977	3856N 06338E	20.6	145.7	GGGG		
2716-05325	00000/0000	2-2003R/0952	01/07/77	90	9977	3730N 06310E	21.6	145.1	GGGG		
2716-05331	00000/0000	2-2003R/0953	01/07/77	90	9977	3604N 06242E	22.6	144.5	FGGG		
2716-05334	00000/0000	2-2003R/0954	01/07/77	90	9977	3438N 06216E	23.6	143.8	FFFF		
2716-05340	00000/0000	2-2003R/0955	01/07/77	90	9977	3312N 06150E	24.6	143.2	FFFF		
2716-05343	00000/0000	2-2003R/0956	01/07/77	100	9977	3145N 06124E	25.6	142.5	GGGG		
2716-05352	00000/0000	2-2003R/0957	01/07/77	60	9977	2853N 06035E	27.5	141.1	PPFF		
2716-05354	00000/0000	2-2003R/0958	01/07/77	30	9977	2727N 06011E	28.4	140.3	FFFF		
2716-05361	00000/0000	2-2003R/0959	01/07/77	30	9977	2601N 05948E	29.4	139.6	FFFF		
2716-05363	00000/0000	2-2003R/0960	01/07/77	20	9977	2435N 05925E	30.3	138.8	PPFF		
2716-07113	00000/0000	2-2003R/1006	01/07/77	20	9978	5308N 04342E	10.1	152.0	GGF		
2716-07120	00000/0000	2-2003R/1007	01/07/77	30	9978	5144N 04259E	11.2	151.4	GGF		
2716-07122	00000/0000	2-2003R/1008	01/07/77	20	9978	5019N 04218E	12.3	150.7	FGGG		
2716-07125	00000/0000	2-2003R/1009	01/07/77	10	9978	4854N 04139E	13.3	150.1	FGGF		
2716-07131	00000/0000	2-2003R/1010	01/07/77	80	9978	4729N 04102E	14.4	149.5	FFFF		
2716-07134	00000/0000	2-2003R/1011	01/07/77	30	9978	4604N 04027E	15.4	148.8	FGGG		
2716-07140	00000/0000	2-2003R/1012	01/07/77	20	9978	4439N 03954E	16.5	148.2	GGG		
2716-14043	00000/0000	2-2003R/1094	01/07/77	10	9982	5309N 05936W	10.1	152.0	FFGG		
2716-14050	00000/0000	2-2003R/1095	01/07/77	10	9982	5144N 06019W	11.2	151.3	GGGG		
2716-14052	00000/0000	2-2003R/1096	01/07/77	10	9982	5020N 06100W	12.3	150.7	GGGG		
2716-14055	00000/0000	2-2003R/1097	01/07/77	80	9982	4855N 06139W	13.3	150.0	GGGG		
2716-14061	00000/0000	2-2003R/1098	01/07/77	80	9982	4730N 06216W	14.4	149.4	GGGG		
2716-14064	00000/0000	2-2003R/1099	01/07/77	70	9982	4605N 06251W	15.4	148.8	GGGG		
2716-14070	00000/0000	2-2003R/1100	01/07/77	90	9982	4439N 06324W	16.5	148.2	GGGG		
2716-14073	00000/0000	2-2003R/1101	01/07/77	100	9982	4314N 06356W	17.5	147.6	GGFG		
2716-14075	00000/0000	2-2003R/1102	01/07/77	90	9982	4149N 06427W	18.5	146.9	GGFG		
2716-14170	00000/0000	2-2003R/1013	01/07/77	10	9982	1008N 07313W	38.7	129.7	GGGG		
2716-14173	00000/0000	2-2003R/1014	01/07/77	20	9982	0841N 07333W	39.4	128.6	GGGG		
2716-14175	00000/0000	2-2003R/1015	01/07/77	20	9982	0714N 07353W	40.2	127.5	GGGG		
2716-14182	00000/0000	2-2003R/1016	01/07/77	30	9982	0548N 07413W	40.8	126.4	GGGG		
2716-14184	00000/0000	2-2003R/1017	01/07/77	20	9982	0422N 07433W	41.5	125.2	GGGG		
2716-14191	00000/0000	2-2003R/1018	01/07/77	40	9982	0255N 07453W	42.1	124.0	GGGG		

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

18123 FEB 17, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE		SUN ELEV.	SUN AZIM.	IMAGE=QUAL	MSS	MSS	
						LAT	LONG			RBV	MSS	DATA	IMAGE
										123	45678	MODE	GAIN
2716-14193	00000/0000	2-20038/1019	01/07/77	50	9982	0128N	07513W	42.7	122.8	GGGG			
2717-02104	00000/0000	2-20038/1020	01/08/77	100	9989	4149N	11450E	18.6	146.9	GGFF			
2717-02111	00000/0000	2-20038/1021	01/08/77	90	9989	4023N	11420E	19.6	146.2	GGGG			
2717-02113	00000/0000	2-20038/1022	01/08/77	100	9989	3857N	11351E	20.6	145.6	GGGG			
2717-02120	00000/0000	2-20038/1023	01/08/77	100	9989	3731N	11323E	21.6	145.0	GGGG			
2717-02122	00000/0000	2-20038/1024	01/08/77	90	9989	3605N	11255E	22.6	144.3	GGGF			
2717-02125	00000/0000	2-20038/1025	01/08/77	90	9989	3439N	11228E	23.6	143.7	GGGG			
2717-02131	00000/0000	2-20038/1026	01/08/77	70	9989	3313N	11202E	24.6	143.0	GGGG			
2717-02134	00000/0000	2-20038/1027	01/08/77	30	9989	3147N	11137E	25.6	142.3	GGGG			
2717-02140	00000/0000	2-20038/1028	01/08/77	10	9989	3021N	11112E	26.6	141.6	GGGF			
2717-02143	00000/0000	2-20038/1029	01/08/77	0	9989	2855N	11047E	27.5	140.9	GGGG			
2717-02145	00000/0000	2-20038/1030	01/08/77	10	9989	2729N	11023E	28.5	140.2	GGGG			
2717-02152	00000/0000	2-20038/1031	01/08/77	30	9989	2602N	11000E	29.4	139.4	GGGG			
2717-02154	00000/0000	2-20038/1032	01/08/77	70	9989	2435N	10936E	30.3	138.7	GGGG			
2717-02161	00000/0000	2-20038/1033	01/08/77	100	9989	2310N	10913E	31.2	137.9	GGGG			
2717-02163	00000/0000	2-20038/1034	01/08/77	100	9989	2144N	10851E	32.1	137.1	GGFG			
2717-03513	00000/0000	2-20038/1036	01/08/77	10	9990	5020N	09231E	12.3	150.6	GGGF			
2717-03520	00000/0000	2-20038/1037	01/08/77	10	9990	4854N	09152E	13.4	150.0	FGGF			
2717-03522	00000/0000	2-20038/1038	01/08/77	10	9990	4730N	09115E	14.4	149.3	GGGG			
2717-03525	00000/0000	2-20038/1039	01/08/77	0	9990	4604N	09040E	15.5	148.7	GGGG			
2717-03531	00000/0000	2-20038/1040	01/08/77	0	9990	4439N	09006E	16.5	148.1	FGGG			
2717-03534	00000/0000	2-20038/1041	01/08/77	10	9990	4313N	08932E	17.5	147.5	GGGG			
2717-03540	00000/0000	2-20038/1042	01/08/77	10	9990	4148N	08900E	18.6	146.8	GGGG			
2717-03543	00000/0000	2-20038/1043	01/08/77	10	9990	4022N	08830E	19.6	146.2	FGGG			
2717-03545	00000/0000	2-20038/1044	01/08/77	0	9990	3856N	08800E	20.6	145.6	FGFG			
2717-03552	00000/0000	2-20038/1045	01/08/77	40	9990	3731N	08732E	21.6	145.0	GGFF			
2717-03554	00000/0000	2-20038/1046	01/08/77	60	9990	3605N	08705E	22.6	144.3	FGGG			
2717-03561	00000/0000	2-20038/1047	01/08/77	20	9990	3439N	08638E	23.6	143.7	GGGG			
2717-03563	00000/0000	2-20038/1048	01/08/77	10	9990	3313N	08612E	24.6	143.0	FGGG			
2717-03570	00000/0000	2-20038/1049	01/08/77	0	9990	3146N	08546E	25.6	142.3	GGGG			
2717-03572	00000/0000	2-20038/1050	01/08/77	0	9990	3020N	08521E	26.6	141.6	GGGG			
2717-03575	00000/0000	2-20038/1051	01/08/77	0	9990	2854N	08457E	27.5	140.9	GGGG			
2717-03581	00000/0000	2-20038/1052	01/08/77	20	9990	2727N	08433E	28.5	140.2	GGGG			
2717-03584	00000/0000	2-20038/1053	01/08/77	10	9990	2601N	08410E	29.4	139.4	GGFG			
2717-03590	00000/0000	2-20038/1054	01/08/77	0	9990	2435N	08346E	30.3	138.6	GGFG			
2717-03593	00000/0000	2-20038/1055	01/08/77	0	9990	2308N	08324E	31.2	137.9	FGGG			

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

18123 FEB 17, '77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/01/77 TO 01/31/77

PAGE 0048

OBSERVATION ID	MICROFILM POSITION RBV	ROLL No./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN
2717-03595	00000/0000	2-20038/1056	01/08/77	0	9990	2141N 08302E	32.1	137.0	FGGG		
2717-04002	00000/0000	2-20038/1057	01/08/77	0	9990	2014N 08240E	33.0	136.2	GGGG		
2717-04004	00000/0000	2-20038/1058	01/08/77	10	9990	1848N 08218E	33.9	135.3	GGGG		
2717-04011	00000/0000	2-20038/1059	01/08/77	0	9990	1722N 08157E	34.7	134.4	FGGG		
2717-04013	00000/0000	2-20038/1060	01/08/77	10	9990	1555N 08136E	35.6	133.5	GFGG		
2717-04020	00000/0000	2-20038/1061	01/08/77	20	9990	1427N 08115E	36.4	132.6	FGFG		
2717-04022	00000/0000	2-20038/1062	01/08/77	30	9990	1300N 08055E	37.2	131.6	GGGG		
2717-05340	00000/0000	2-20038/1063	01/08/77	10	9991	5309N 06804E	10.2	151.9	PFFP		
2717-05345	00000/0000	2-20038/1064	01/08/77	0	9991	5019N 06641E	12.3	150.6	PPPP		
2717-05351	00000/0000	2-20038/1065	01/08/77	0	9991	4854N 06602E	13.4	149.9	FGGF		
2717-05354	00000/0000	2-20038/1066	01/08/77	0	9991	4728N 06525E	14.4	149.3	GGGG		
2717-05360	00000/0000	2-20038/1067	01/08/77	0	9991	4603N 06449E	15.5	148.7	FFFF		
2717-05363	00000/0000	2-20038/1068	01/08/77	20	9991	4438N 06415E	16.5	148.1	FGGG		
2717-05365	00000/0000	2-20038/1069	01/08/77	30	9991	4313N 06342E	17.6	147.4	FFFF		
2717-05372	00000/0000	2-20038/1070	01/08/77	80	9991	4147N 06311E	18.6	146.8	GGGG		
2717-05374	00000/0000	2-20038/1071	01/08/77	90	9991	4022N 06241E	19.6	146.2	GGGF		
2717-05381	00000/0000	2-20038/1072	01/08/77	90	9991	3856N 06211E	20.6	145.6	GGGG		
2717-05383	00000/0000	2-20038/1073	01/08/77	90	9991	3730N 06143E	21.6	144.9	GGGG		
2717-05390	00000/0000	2-20038/1074	01/08/77	90	9991	3604N 06115E	22.6	144.3	GGGG		
2717-05392	00000/0000	2-20038/1075	01/08/77	80	9991	3438N 06049E	23.6	143.6	GGGG		
2717-05395	00000/0000	2-20038/1076	01/08/77	30	9991	3312N 06023E	24.6	143.0	GGGG		
2717-05401	00000/0000	2-20038/1077	01/08/77	70	9991	3146N 05958E	25.6	142.3	GGGG		
2717-05404	00000/0000	2-20038/1078	01/08/77	30	9991	3020N 05933E	26.6	141.6	GGGG		
2717-05410	00000/0000	2-20038/1079	01/08/77	60	9991	2854N 05909E	27.5	140.9	GFGF		
2717-05413	00000/0000	2-20038/1080	01/08/77	90	9991	2727N 05845E	28.5	140.2	GGGG		
2717-05415	00000/0000	2-20038/1081	01/08/77	80	9991	2601N 05821E	29.4	139.4	GGGG		
2717-07180	00000/0000	2-20038/1231	01/08/77	10	9992	5019N 04052E	12.3	150.6	GGGG		
2717-07183	00000/0000	2-20038/1232	01/08/77	30	9992	4854N 04014E	13.4	149.9	GGGG		
2717-07185	00000/0000	2-20038/1233	01/08/77	20	9992	4730N 03937E	14.4	149.3	GGGG		
2717-07192	00000/0000	2-20038/1234	01/08/77	30	9992	4604N 03902E	15.5	148.7	GGG		
2717-07194	00000/0000	2-20038/1235	01/08/77	60	9992	4439N 03828E	16.5	148.1	GGGG		
2717-14122	00000/0000	2-20038/1082	01/08/77	90	9996	4605N 06416W	15.5	148.6	GGG		
2717-14125	00000/0000	2-20038/1083	01/08/77	90	9996	4439N 06449W	16.5	148.0	GGGG		
2717-14131	00000/0000	2-20038/1084	01/08/77	90	9996	4314N 06522W	17.6	147.4	GGG		
2717-14134	00000/0000	2-20038/1087	01/08/77	90	9996	4148N 06553W	18.6	146.8	GG		H
2717-14140	00000/0000	2-20038/1085	01/08/77	90	9996	4023N 06623W	19.6	146.1	GGGG		H

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

18123 FEB 17, '77

LANDSAT-2  
OBSERVATION ID LISTING  
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OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL RBV	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS DATA	MSS MODE	MSS IMAGE GAIN
2717-14143	00000/0000	2-20038/1086	01/08/77	90	9996 3857N	06652W	20.6 145.5	GGGG		H
2717-17374	00000/0000	2-20038/1035	01/08/77	60	9998 5019N	11403W	12.4 150.5	GGGG		
2718-02163	00000/0000	2-20038/1236	01/09/77	70	3 4148N	11323E	18.6 146.7	GGG		
2718-02165	00000/0000	2-20038/1237	01/09/77	40	3 4023N	11253E	19.7 146.1	FGGG		
2718-02172	00000/0000	2-20038/1238	01/09/77	30	3 3857N	11224E	20.7 145.4	GGGG		
2718-02174	00000/0000	2-20038/1239	01/09/77	20	3 3731N	11155E	21.7 144.8	GGGG		
2718-02181	00000/0000	2-20038/1240	01/09/77	0	3 3605N	11127E	22.7 144.2	GGGG		
2718-02183	00000/0000	2-20038/1241	01/09/77	50	3 3439N	11101E	23.7 143.5	GGGG		
2718-02190	00000/0000	2-20038/1242	01/09/77	80	3 3313N	11034E	24.7 142.8	GFGG		
2718-02204	00000/0000	2-20038/1243	01/09/77	90	3 2728N	10855E	28.5 140.0	GGGG		
2718-02210	00000/0000	2-20038/1244	01/09/77	90	3 2602N	10832E	29.4 139.2	GFGG		
2718-02213	00000/0000	2-20038/1230	01/09/77	90	3 2435N	10809E	30.4 138.5	GG		
2718-02215	00000/0000	2-20038/1245	01/09/77	90	3 2308N	10747E	31.3 137.7	GGGG		
2718-03574	00000/0000	2-20038/0870	01/09/77	10	4 4855N	09027E	13.5 149.8	FGGG		
2718-03580	00000/0000	2-20038/0871	01/09/77	10	4 4730N	08950E	14.5 149.2	FGGG		
2718-03583	00000/0000	2-20038/0872	01/09/77	10	4 4605N	08915E	15.6 148.5	GGGG		
2718-03585	00000/0000	2-20038/0873	01/09/77	10	4 4439N	08840E	16.6 147.9	FGGG		
2718-03592	00000/0000	2-20038/0874	01/09/77	20	4 4314N	08807E	17.6 147.3	GGGG		
2718-03594	00000/0000	2-20038/0875	01/09/77	10	4 4148N	08735E	18.7 146.7	GGGG		
2718-04001	00000/0000	2-20038/0876	01/09/77	0	4 4023N	08705E	19.7 146.0	GGGG		
2718-04003	00000/0000	2-20038/0877	01/09/77	30	4 3856N	08635E	20.7 145.4	FGGG		
2718-04010	00000/0000	2-20038/0878	01/09/77	80	4 3731N	08607E	21.7 144.8	GGGG		
2718-04012	00000/0000	2-20038/0879	01/09/77	70	4 3605N	08539E	22.7 144.1	GGFG		
2718-04015	00000/0000	2-20038/0880	01/09/77	10	4 3438N	08512E	23.7 143.5	GGFG		
2718-04021	00000/0000	2-20038/0881	01/09/77	10	4 3312N	08446E	24.7 142.8	GGGG		
2718-04024	00000/0000	2-20038/0882	01/09/77	10	4 3146N	08421E	25.7 142.1	GGFG		
2718-04030	00000/0000	2-20038/0883	01/09/77	0	4 3020N	08356E	26.6 141.4	GGGG		
2718-04033	00000/0000	2-20038/0884	01/09/77	10	4 2853N	08332E	27.6 140.7	GGGG		
2718-04042	00000/0000	2-20038/0907	01/09/77	10	4 2601N	08245E	29.4 139.2	P		
2718-04044	00000/0000	2-20038/0885	01/09/77	0	4 2434N	08222E	30.4 138.4	PPPP		
2718-04051	00000/0000	2-20038/0886	01/09/77	0	4 2308N	08159E	31.3 137.7	FPPP		
2718-04053	00000/0000	2-20038/0887	01/09/77	0	4 2142N	08137E	32.2 136.8	GGGG		
2718-04060	00000/0000	2-20038/0888	01/09/77	0	4 2015N	08115E	33.0 136.0	FFPF		
2718-04062	00000/0000	2-20038/0889	01/09/77	0	4 1848N	08053E	33.9 135.1	PPFG		
2718-04065	00000/0000	2-20038/0890	01/09/77	10	4 1721N	08032E	34.8 134.2	FGFG		
2718-05400	00000/0000	2-20038/0891	01/09/77	60	5 5144N	06555E	11.4 151.1	PPFP		

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



18123 FEB 17, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/01/77 TO 01/31/77

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OBSERVATION ID	MICROFILM POSITION RBV	ROLL No./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN
2718-05403	00000/0000	2-20038/0892	01/09/77	60	5	5019N 06514E	12.4	150.4	PPFP		
2718-05412	00000/0000	2-20038/0893	01/09/77	30	5	4729N 06359E	14.5	149.2	FGGG		
2718-05414	00000/0000	2-20038/0894	01/09/77	70	5	4604N 06324E	15.6	148.5	FGGG		
2718-05421	00000/0000	2-20038/0895	01/09/77	90	5	4438N 06250E	16.6	147.9	GGGG		
2718-05423	00000/0000	2-20038/0896	01/09/77	90	5	4313N 06218E	17.6	147.3	GGGG		
2718-05430	00000/0000	2-20038/0897	01/09/77	80	5	4148N 06147E	18.7	146.7	GFGG		
2718-05432	00000/0000	2-20038/0898	01/09/77	80	5	4022N 06117E	19.7	146.0	GFGG		
2718-05435	00000/0000	2-20038/0899	01/09/77	60	5	3857N 06048E	20.7	145.4	GGGG		
2718-05441	00000/0000	2-20038/0900	01/09/77	80	5	3731N 06019E	21.7	144.8	GGGG		
2718-05444	00000/0000	2-20038/0901	01/09/77	80	5	3604N 05951E	22.7	144.1	GGGG		
2718-05450	00000/0000	2-20038/0902	01/09/77	50	5	3438N 05924E	23.7	143.5	GGGG		
2718-05453	00000/0000	2-20038/0903	01/09/77	30	5	3312N 05858E	24.7	142.8	GGGG		
2718-05462	00000/0000	2-20038/0904	01/09/77	0	5	3020N 05808E	26.6	141.4	PPPP		
2718-05464	00000/0000	2-20038/0905	01/09/77	10	5	2853N 05743E	27.6	140.7	FFFG		
2718-05471	00000/0000	2-20038/0906	01/09/77	10	5	2727N 05719E	28.5	140.0	FFFG		
2718-07225	00000/0000	2-20038/1203	01/09/77	80	6	5308N 04049E	10.3	151.8	GGGG		
2718-07232	00000/0000	2-20038/1204	01/09/77	80	6	5144N 04006E	11.4	151.1	GGGG		
2718-07234	00000/0000	2-20038/1205	01/09/77	80	6	5019N 03925E	12.4	150.4	FFFF		
2718-07241	00000/0000	2-20038/1206	01/09/77	80	6	4854N 03846E	13.5	149.8	GGGG		
2718-07243	00000/0000	2-20038/1207	01/09/77	80	6	4729N 03809E	14.5	149.1	GGGG		
2718-07250	00000/0000	2-20038/1208	01/09/77	90	6	4604N 03734E	15.6	148.5	FGG		
2718-07252	00000/0000	2-20038/1209	01/09/77	90	6	4439N 03700E	16.6	147.9	GGGG		
2718-14162	00000/0000	2-20038/1088	01/09/77	70	10	5145N 06307W	11.4	151.0	GGGG		
2718-14165	00000/0000	2-20038/1089	01/09/77	40	10	5020N 06348W	12.4	150.4	GGGG		
2718-14171	00000/0000	2-20038/1090	01/09/77	40	10	4856N 06426W	13.5	149.7	GGGG		
2718-14192	00000/0000	2-20038/1093	01/09/77	70	10	4149N 06718W	18.7	146.6	GG		
2718-14194	00000/0000	2-20038/1091	01/09/77	30	10	4023N 06749W	19.7	146.0	FGGG		
2718-14201	00000/0000	2-20038/1092	01/09/77	80	10	3857N 06818W	20.7	145.3	GGGG		
2718-16073	00000/0000	2-20038/1103	01/09/77	90	11	2435N 09821W	30.4	138.3	GGFG		
2718-23181	00000/0000	2-20038/1210	01/09/77	50	15	3558S 14318E	45.5	85.6	GGGG		
2719-02223	00000/0000	2-20038/1211	01/10/77	50	17	4023N 11127E	19.7	145.9	GGGG		
2719-02230	00000/0000	2-20038/1212	01/10/77	30	17	3858N 11057E	20.8	145.3	GGGG		
2719-02232	00000/0000	2-20038/1213	01/10/77	80	17	3732N 11029E	21.8	144.6	GGGG		
2719-02235	00000/0000	2-20038/1214	01/10/77	30	17	3606N 11001E	22.8	144.0	GGGG		
2719-02241	00000/0000	2-20038/1215	01/10/77	20	17	3440N 10935E	23.7	143.3	GGGG		
2719-02244	00000/0000	2-20038/1216	01/10/77	70	17	3314N 10908E	24.7	142.6	GGGG		

H

KEYS: CLOUD COVER % ..... C TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

18123 FEB 17, '77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN
2719-02250	00000/0000	2-20038/1217	01/10/77	70	17	3148N 10843E	25.7	142.0	GGGG		
2719-02253	00000/0000	2-20038/1218	01/10/77	30	17	3022N 10818E	26.7	141.3	GGGG		
2719-02255	00000/0000	2-20038/1219	01/10/77	20	17	2855N 10754E	27.6	140.5	GGGG		
2719-02262	00000/0000	2-20038/1220	01/10/77	20	17	2728N 10730E	28.6	139.8	GGGG		
2719-02264	00000/0000	2-20038/1221	01/10/77	20	17	2602N 10707E	29.5	139.0	GGGG		
2719-04023	00000/0000	2-20038/1147	01/10/77	10	18	5145N 09019E	11.5	151.0	FGGG		
2719-04025	00000/0000	2-20038/1148	01/10/77	10	18	5020N 08938E	12.5	150.3	GGGG		
2719-04032	00000/0000	2-20038/1149	01/10/77	0	18	4855N 08859E	13.6	149.6	GGGG		
2719-04034	00000/0000	2-20038/1150	01/10/77	0	18	4729N 08822E	14.6	149.0	GGGG		
2719-04041	00000/0000	2-20038/1151	01/10/77	10	18	4605N 08747E	15.6	148.4	GGGG		
2719-04043	00000/0000	2-20038/1152	01/10/77	20	18	4440N 08714E	16.7	147.8	GGGG		
2719-04050	00000/0000	2-20038/1153	01/10/77	40	18	4315N 08642E	17.7	147.1	GGGG		
2719-04052	00000/0000	2-20038/1154	01/10/77	70	18	4149N 08610E	18.7	146.5	GGGG		
2719-04055	00000/0000	2-20038/1155	01/10/77	70	18	4023N 08539E	19.8	145.9	FGGG		
2719-04061	00000/0000	2-20038/1156	01/10/77	60	18	3857N 08509E	20.8	145.2	FFFG		
2719-04064	00000/0000	2-20038/1157	01/10/77	30	18	3731N 08441E	21.8	144.6	PGGG		
2719-04070	00000/0000	2-20038/1158	01/10/77	10	18	3605N 08413E	22.8	144.0	FGGG		
2719-04073	00000/0000	2-20038/1159	01/10/77	30	18	3439N 08346E	23.8	143.3	GGGG		
2719-04075	00000/0000	2-20038/1160	01/10/77	20	18	3313N 08320E	24.7	142.6	GGGG		
2719-04082	00000/0000	2-20038/1161	01/10/77	50	18	3147N 08255E	25.7	141.9	FGGG		
2719-04084	00000/0000	2-20038/1162	01/10/77	40	18	3020N 08230E	26.7	141.2	GGGG		
2719-04091	00000/0000	2-20038/1163	01/10/77	30	18	2854N 08206E	27.6	140.5	GGGG		
2719-04093	00000/0000	2-20038/1164	01/10/77	10	18	2728N 08142E	28.6	139.8	FGGG		
2719-04100	00000/0000	2-20038/1165	01/10/77	0	18	2601N 08119E	29.5	139.0	FGGG		
2719-04102	00000/0000	2-20038/1166	01/10/77	0	18	2435N 08056E	30.4	138.2	FGGG		
2719-04105	00000/0000	2-20038/1167	01/10/77	0	18	2309N 08033E	31.3	137.4	FGGG		
2719-04111	00000/0000	2-20038/1168	01/10/77	0	18	2142N 08011E	32.2	136.6	GGGG		
2719-04114	00000/0000	2-20038/1169	01/10/77	0	18	2016N 07949E	33.1	135.8	GGGG		
2719-04120	00000/0000	2-20038/1170	01/10/77	0	18	1849N 07927E	33.9	134.9	FFFG		
2719-04123	00000/0000	2-20038/1171	01/10/77	0	18	1722N 07906E	34.8	134.0	FGGG		
2719-04125	00000/0000	2-20038/1172	01/10/77	0	18	1556N 07845E	35.6	133.1	FFGG		
2719-04132	00000/0000	2-20038/1173	01/10/77	0	18	1429N 07824E	36.4	132.1	GGGG		
2719-04134	00000/0000	2-20038/1174	01/10/77	0	18	1303N 07803E	37.2	131.2	FGGG		
2719-04141	00000/0000	2-20038/1175	01/10/77	0	18	1136N 07743E	37.9	130.1	GGGG		
2719-04143	00000/0000	2-20038/1222	01/10/77	10	18	1009N 07722E	38.7	129.1	GGGG		
2719-05452	00000/0000	2-20038/1176	01/10/77	70	19	5309N 06513E	10.4	151.6	PPPG		

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=GAIN, H=HIGH GAIN



18:23 FEB 17, '77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/01/77 TO 01/31/77

PAGE 0052

OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	PRINCIPAL POINT OF IMAGE LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN
2719-05455	00000/0000	2-20038/1177	01/10/77	40	19	5145N	06429E	11.5	150.9	FFFF		
2719-05461	00000/0000	2-20038/1178	01/10/77	30	19	5020N	06348E	12.5	150.3	PFPP		
2719-05464	00000/0000	2-20038/1179	01/10/77	30	19	4855N	06310E	13.6	149.6	FFFF		
2719-05470	00000/0000	2-20038/1180	01/10/77	60	19	4730N	06234E	14.6	149.0	FFGF		
2719-05475	00000/0000	2-20038/1181	01/10/77	90	19	4439N	06126E	16.7	147.7	PPPP		
2719-05482	00000/0000	2-20038/1182	01/10/77	70	19	4314N	06053E	17.7	147.1	FFFF		
2719-05491	00000/0000	2-20038/1183	01/10/77	80	19	4022N	05950E	19.8	145.9	FGGG		
2719-05493	00000/0000	2-20038/1184	01/10/77	40	19	3856N	05921E	20.8	145.2	FFFF		
2719-05500	00000/0000	2-20038/1185	01/10/77	10	19	3730N	05852E	21.8	144.6	FGGG		
2719-05502	00000/0000	2-20038/1186	01/10/77	20	19	3604N	05824E	22.8	143.9	GGGG		
2719-05505	00000/0000	2-20038/1187	01/10/77	10	19	3438N	05757E	23.8	143.3	GGGG		
2719-05511	00000/0000	2-20038/1188	01/10/77	10	19	3312N	05731E	24.7	142.6	FGGG		
2719-05514	00000/0000	2-20038/1189	01/10/77	0	19	3146N	05705E	25.7	141.9	GGGG		
2719-05520	00000/0000	2-20038/1190	01/10/77	10	19	3020N	05640E	26.7	141.2	GGGG		
2719-05523	00000/0000	2-20038/1191	01/10/77	10	19	2853N	05616E	27.6	140.5	GGGG		
2719-07284	00000/0000	2-20038/1223	01/10/77	30	20	5308N	03926E	10.4	151.6	GGGG		
2719-07290	00000/0000	2-20038/1224	01/10/77	50	20	5143N	03843E	11.5	150.9	GGGG		
2719-07293	00000/0000	2-20038/1225	01/10/77	60	20	5019N	03802E	12.5	150.3	GGGG		
2719-07295	00000/0000	2-20038/1226	01/10/77	70	20	4854N	03722E	13.6	149.6	GGGG		
2719-07302	00000/0000	2-20038/1227	01/10/77	30	20	4729N	03645E	14.6	149.0	GGGG		
2719-07304	00000/0000	2-20038/1228	01/10/77	10	20	4604N	03610E	15.7	148.4	GGGF		
2719-07311	00000/0000	2-20038/1229	01/10/77	30	20	4438N	03536E	16.7	147.7	GGGG		
2719-14225	00000/0000	2-20038/1192	01/10/77	10	24	4855N	06556W	13.6	149.6	GGGG		
2719-14261	00000/0000	2-20038/1202	01/10/77	90	24	3731N	07014W	21.8	144.5	GG		H
2719-14264	00000/0000	2-20038/1193	01/10/77	90	24	3605N	07042W	22.8	143.9	GGGG		
2719-14270	00000/0000	2-20038/1194	01/10/77	60	24	3439N	07108W	23.8	143.2	GGGG		
2719-14273	00000/0000	2-20038/1195	01/10/77	40	24	3313N	07134W	24.8	142.5	GGGG		
2719-14275	00000/0000	2-20038/1196	01/10/77	50	24	3147N	07200W	25.7	141.9	GGGG		
2719-14282	00000/0000	2-20038/1197	01/10/77	50	24	3021N	07225W	26.7	141.2	GGGG		
2719-14284	00000/0000	2-20038/1198	01/10/77	30	24	2854N	07249W	27.6	140.4	GGGG		
2719-14291	00000/0000	2-20038/1199	01/10/77	30	24	2728N	07313W	28.6	139.7	FGGG		
2719-14293	00000/0000	2-20038/1200	01/10/77	30	24	2602N	07336W	29.5	138.9	GGGG		
2719-14300	00000/0000	2-20038/1201	01/10/77	20	24	2435N	07358W	30.4	138.2	GGGG		
2719-17540	00000/0000	2-20038/0653	01/10/77	70	26	3312N	12311W	24.8	142.5	GGGG		
2719-23235	00000/0000	2-20038/1299	01/10/77	10	29	3557S	14151E	45.3	85.5	GGGG		
2720-02300	00000/0000	2-20038/1300	01/11/77	10	31	3440N	10808E	23.8	143.1	GGGG		

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

18123 FEB 17, 77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/01/77 TO 01/31/77

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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN
2720-02302	00000/0000	2-20038/1301	01/11/77	90	31	3314N 10742E	24.8	142.5	GGGG		
2720-02305	00000/0000	2-20038/1302	01/11/77	100	31	3147N 10716E	25.8	141.8	GGGG		
2720-02311	00000/0000	2-20038/1303	01/11/77	100	31	3021N 10651E	26.7	141.1	GGGG		
2720-02314	00000/0000	2-20038/1304	01/11/77	100	31	2854N 10627E	27.7	140.3	GGGG		
2720-02320	00000/0000	2-20038/1305	01/11/77	100	31	2728N 10603E	28.6	139.6	GGG		
2720-02323	00000/0000	2-20038/1306	01/11/77	100	31	2602N 10540E	29.5	138.8	GGGG		
2720-04081	00000/0000	2-20038/1247	01/11/77	0	32	5145N 08851E	11.6	150.8	GGGG		
2720-04084	00000/0000	2-20038/1248	01/11/77	0	32	5020N 08811E	12.6	150.1	GGGG		
2720-04090	00000/0000	2-20038/1249	01/11/77	0	32	4854N 08732E	13.7	149.5	GGGG		
2720-04093	00000/0000	2-20038/1250	01/11/77	20	32	4730N 08655E	14.7	148.9	GGGG		
2720-04095	00000/0000	2-20038/1251	01/11/77	40	32	4605N 08620E	15.7	148.2	FFGG		
2720-04102	00000/0000	2-20038/1252	01/11/77	70	32	4439N 08546E	16.8	147.6	FFGG		
2720-04104	00000/0000	2-20038/1253	01/11/77	80	32	4314N 08514E	17.8	147.0	GGGG		
2720-04111	00000/0000	2-20038/1254	01/11/77	90	32	4149N 08443E	18.8	146.3	GGGG		
2720-04113	00000/0000	2-20038/1255	01/11/77	80	32	4023N 08413E	19.8	145.7	FFGG		
2720-04120	00000/0000	2-20038/1256	01/11/77	90	32	3857N 08343E	20.9	145.1	FFGF		
2720-04122	00000/0000	2-20038/1257	01/11/77	70	32	3731N 08314E	21.9	144.4	FFGF		
2720-04125	00000/0000	2-20038/1258	01/11/77	70	32	3605N 08247E	22.8	143.8	FFGF		
2720-04131	00000/0000	2-20038/1259	01/11/77	100	32	3439N 08220E	23.8	143.1	PPGG		
2720-04134	00000/0000	2-20038/1260	01/11/77	90	32	3313N 08154E	24.8	142.4	PPGG		
2720-04140	00000/0000	2-20038/1261	01/11/77	60	32	3146N 08128E	25.8	141.7	GGGG		
2720-04143	00000/0000	2-20038/1262	01/11/77	70	32	3020N 08104E	26.7	141.0	GGGG		
2720-04145	00000/0000	2-20038/1263	01/11/77	30	32	2854N 08039E	27.7	140.3	GGGG		
2720-04152	00000/0000	2-20038/1264	01/11/77	10	32	2728N 08015E	28.6	139.6	FFGG		
2720-04154	00000/0000	2-20038/1265	01/11/77	10	32	2601N 07952E	29.5	138.8	GGGG		
2720-04161	00000/0000	2-20038/1266	01/11/77	20	32	2435N 07929E	30.5	138.0	FFFG		
2720-04163	00000/0000	2-20038/1267	01/11/77	30	32	2309N 07906E	31.4	137.2	GGGG		
2720-04170	00000/0000	2-20038/1268	01/11/77	10	32	2142N 07844E	32.2	136.4	FFGG		
2720-04172	00000/0000	2-20038/1269	01/11/77	10	32	2015N 07822E	33.1	135.6	FFFG		
2720-04175	00000/0000	2-20038/1246	01/11/77	0	32	1848N 07805E	34.0	134.7	FFGG		
2720-04181	00000/0000	2-20038/1270	01/11/77	0	32	1722N 07739E	34.8	133.8	FFGG		
2720-04184	00000/0000	2-20038/1271	01/11/77	0	32	1556N 07718E	35.6	132.9	GGGG		
2720-04190	00000/0000	2-20038/1272	01/11/77	0	32	1429N 07658E	36.4	131.9	GGGG		
2720-04193	00000/0000	2-20038/1273	01/11/77	0	32	1303N 07637E	37.2	130.9	GGGG		
2720-04195	00000/0000	2-20038/1274	01/11/77	10	32	1137N 07616E	38.0	129.9	PPGG		
2720-05504	00000/0000	2-20038/1275	01/11/77	30	33	5433N 06433E	9.5	152.2	FFGF		

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

18123 FEB 17, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NBN-US  
FROM 01/01/77 TO 01/31/77

PAGE 0054

OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE=QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN
2720-05510	00000/0000	2-2003R/1276	01/11/77	40	33	5308N 06347E	10.5	151.5	FGGF		
2720-05513	00000/0000	2-2003R/1277	01/11/77	40	33	5144N 06304E	11.6	150.8	FGGG		
2720-05515	00000/0000	2-2003R/1278	01/11/77	20	33	5020N 06223E	12.6	150.1	FGGG		
2720-05522	00000/0000	2-2003R/1279	01/11/77	20	33	4855N 06144E	13.7	149.5	FGGG		
2720-05524	00000/0000	2-2003R/1280	01/11/77	80	33	4730N 06107E	14.7	148.8	FGGG		
2720-05531	00000/0000	2-2003R/1281	01/11/77	50	33	4605N 06031E	15.8	148.2	FGGF		
2720-05533	00000/0000	2-2003R/1282	01/11/77	60	33	4440N 05957E	16.8	147.6	FGGG		
2720-05540	00000/0000	2-2003R/1283	01/11/77	70	33	4314N 05925E	17.8	147.0	FGGG		
2720-05542	00000/0000	2-2003R/1284	01/11/77	80	33	4148N 05854E	18.8	146.3	FGGG		
2720-05545	00000/0000	2-2003R/1285	01/11/77	80	33	4022N 05824E	19.9	145.7	FGGG		
2720-05551	00000/0000	2-2003R/1286	01/11/77	20	33	3856N 05754E	20.9	145.1	FGGG		
2720-05554	00000/0000	2-2003R/1287	01/11/77	10	33	3730N 05725E	21.9	144.4	FGGG		
2720-05560	00000/0000	2-2003R/1288	01/11/77	10	33	3604N 05658E	22.9	143.8	FGGG		
2720-05563	00000/0000	2-2003R/1289	01/11/77	10	33	3438N 05631E	23.8	143.1	FGGF		
2720-05565	00000/0000	2-2003R/1290	01/11/77	10	33	3312N 05605E	24.8	142.4	FGGF		
2720-05572	00000/0000	2-2003R/1291	01/11/77	10	33	3146N 05539E	25.8	141.7	FGGF		
2720-05574	00000/0000	2-2003R/1292	01/11/77	20	33	3020N 05514E	26.7	141.0	FGGG		
2720-07353	00000/0000	2-2003R/1307	01/11/77	50	34	4854N 03555E	13.7	149.5	FGGG		
2720-07360	00000/0000	2-2003R/1308	01/11/77	30	34	4729N 03519E	14.7	148.8	FGGG		
2720-07362	00000/0000	2-2003R/1309	01/11/77	80	34	4604N 03443E	15.8	148.2	FGGG		
2720-07365	00000/0000	2-2003R/1310	01/11/77	20	34	4438N 03409E	16.8	147.6	FGGF		
2720-14325	00000/0000	2-2003R/0564	01/11/77	90	38	3439N 07235W	23.9	143.0	FGGG		
2720-14331	00000/0000	2-2003R/0565	01/11/77	90	38	3313N 07301W	24.8	142.4	FGGG		
2720-14334	00000/0000	2-2003R/0566	01/11/77	80	38	3146N 07326W	25.8	141.7	FGGG		
2720-14340	00000/0000	2-2003R/0567	01/11/77	80	38	3020N 07351W	26.8	141.0	FGGG		
2720-14343	00000/0000	2-2003R/0568	01/11/77	70	38	2854N 07415W	27.7	140.2	FGGG		
2720-14345	00000/0000	2-2003R/0569	01/11/77	60	38	2727N 07439W	28.6	139.5	FGGG		
2720-14352	00000/0000	2-2003R/0572	01/11/77	60	38	2601N 07502W	29.6	138.7	GF		
2720-14354	00000/0000	2-2003R/0570	01/11/77	50	38	2435N 07525W	30.5	138.0	FGGF		
2720-14361	00000/0000	2-2003R/0571	01/11/77	40	38	2308N 07548W	31.4	137.2	FGGF		
2721-02354	00000/0000	2-2003R/1377	01/12/77	10	45	3439N 10642E	23.9	142.9	G		
2721-02360	00000/0000	2-2003R/1365	01/12/77	90	45	3313N 10616E	24.9	142.3	FGGG		
2721-02363	00000/0000	2-2003R/1366	01/12/77	60	45	3147N 10551E	25.8	141.6	FGGG		
2721-02365	00000/0000	2-2003R/1367	01/12/77	100	45	3021N 10526E	26.8	140.9	FGGG		
2721-02372	00000/0000	2-2003R/1368	01/12/77	100	45	2855N 10502E	27.7	140.1	FGGG		
2721-02374	00000/0000	2-2003R/1369	01/12/77	100	45	2729N 10438E	28.7	139.4	FGGG		

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

18:23 FEB 17, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN=US  
FROM 01/01/77 TO 01/31/77

PAGE 0055

OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	SRBIT NUMBER	PRINCIPAL POINT OF IMAGE		SUN FLEV.	SUN AZIM.	IMAGE-QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN
						LAT	LONG					
2721-02381	00000/0000	2-2003R/1370	01/12/77	100	45	2602N	10414E	29.6	138.6	GGGG		
2721-02383	00000/0000	2-2003R/1371	01/12/77	90	45	2436N	10351E	30.5	137.9	GGGG		
2721-02390	00000/0000	2-2003R/1372	01/12/77	40	45	2310N	10329E	31.4	137.0	GGGG		
2721-04135	00000/0000	2-2003R/0961	01/12/77	70	46	5145N	08727E	11.7	150.7	GGFG		
2721-04142	00000/0000	2-2003R/0962	01/12/77	10	46	5020N	08646E	12.7	150.0	GGGG		
2721-04144	00000/0000	2-2003R/0963	01/12/77	30	46	4855N	08607E	13.8	149.3	FGGG		
2721-04151	00000/0000	2-2003R/0964	01/12/77	20	46	4730N	08530E	14.8	148.7	FGGG		
2721-04153	00000/0000	2-2003R/0965	01/12/77	60	46	4605N	08455E	15.8	148.1	FGGG		
2721-04160	00000/0000	2-2003R/0966	01/12/77	90	46	4440N	08421E	16.9	147.4	GGGG		
2721-04162	00000/0000	2-2003R/0967	01/12/77	30	46	4315N	08348E	17.9	146.8	GGGG		
2721-04165	00000/0000	2-2003R/0968	01/12/77	40	46	4149N	08317E	18.9	146.2	FGGG		
2721-04171	00000/0000	2-2003R/0969	01/12/77	50	46	4023N	08246E	19.9	145.5	FGFG		
2721-04174	00000/0000	2-2003R/0970	01/12/77	70	46	3857N	08216E	20.9	144.9	FGGG		
2721-04180	00000/0000	2-2003R/0971	01/12/77	90	46	3731N	08148E	21.9	144.3	GGGG		
2721-04183	00000/0000	2-2003R/0972	01/12/77	90	46	3605N	08121E	22.9	143.6	GGGG		
2721-04185	00000/0000	2-2003R/0973	01/12/77	50	46	3439N	08054E	23.9	142.9	GGGG		
2721-04192	00000/0000	2-2003R/0974	01/12/77	50	46	3313N	08028E	24.9	142.3	GGGG		
2721-04194	00000/0000	2-2003R/0975	01/12/77	30	46	3147N	08003E	25.9	141.6	FGGG		
2721-04201	00000/0000	2-2003R/0976	01/12/77	30	46	3021N	07938E	26.8	140.8	GGGG		
2721-04203	00000/0000	2-2003R/0977	01/12/77	20	46	2855N	07913E	27.7	140.1	FGGG		
2721-04210	00000/0000	2-2003R/0978	01/12/77	20	46	2728N	07850E	28.7	139.4	GGGG		
2721-04212	00000/0000	2-2003R/0979	01/12/77	40	46	2602N	07826E	29.6	138.6	FGGG		
2721-04215	00000/0000	2-2003R/0980	01/12/77	20	46	2435N	07803E	30.5	137.8	GGFG		
2721-04221	00000/0000	2-2003R/0981	01/12/77	10	46	2309N	07740E	31.4	137.0	FGGG		
2721-04224	00000/0000	2-2003R/0982	01/12/77	10	46	2142N	07718E	32.3	136.2	GGGG		
2721-04230	00000/0000	2-2003R/0983	01/12/77	0	46	2015N	07657E	33.1	135.3	GGGG		
2721-04233	00000/0000	2-2003R/0984	01/12/77	0	46	1849N	07636E	34.0	134.5	GGGG		
2721-04235	00000/0000	2-2003R/0985	01/12/77	0	46	1723N	07614E	34.8	133.6	GFGG		
2721-04242	00000/0000	2-2003R/0986	01/12/77	0	46	1556N	07553E	35.6	132.6	GGFF		
2721-04244	00000/0000	2-2003R/0987	01/12/77	0	46	1429N	07531E	36.4	131.7	GGGG		
2721-04251	00000/0000	2-2003R/0988	01/12/77	10	46	1303N	07510E	37.2	130.7	FGGG		
2721-04253	00000/0000	2-2003R/0989	01/12/77	30	46	1137N	07450E	38.0	129.7	GGGF		
2721-05562	00000/0000	2-2003R/0990	01/12/77	80	47	5433N	06306E	9.6	152.0	GGGG		
2721-05564	00000/0000	2-2003R/0991	01/12/77	80	47	5309N	06220E	10.6	151.3	GGGG		
2721-05571	00000/0000	2-2003R/0992	01/12/77	70	47	5144N	06137E	11.7	150.6	GFGG		
2721-05573	00000/0000	2-2003R/0993	01/12/77	60	47	5020N	06057E	12.7	150.0	GFGG		

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



18123 FEB 17, '77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/01/77 TO 01/31/77

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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN
2721-05580	00000/0000	2-20038/0994	01/12/77	30	47	4855N 06018E	13.8	149.3	GGGG		
2721-05582	00000/0000	2-20038/0995	01/12/77	40	47	4730N 05941E	14.8	148.7	GGGG		
2721-05585	00000/0000	2-20038/0996	01/12/77	30	47	4604N 05905E	15.9	148.0	GGGG		
2721-05591	00000/0000	2-20038/0997	01/12/77	20	47	4439N 05831E	16.9	147.4	FFFG		
2721-05594	00000/0000	2-20038/0998	01/12/77	10	47	4313N 05759E	17.9	146.8	GGGG		
2721-06000	00000/0000	2-20038/0999	01/12/77	100	47	4148N 05727E	18.9	146.2	GGGG		
2721-06003	00000/0000	2-20038/1000	01/12/77	90	47	4022N 05657E	19.9	145.5	GGGG		
2721-06005	00000/0000	2-20038/1001	01/12/77	80	47	3857N 05628E	21.0	144.9	GGGG		
2721-06012	00000/0000	2-20038/1002	01/12/77	40	47	3731N 05600E	22.0	144.2	GGGG		
2721-06014	00000/0000	2-20038/1003	01/12/77	50	47	3605N 05532E	22.9	143.6	GGGG		
2721-06021	00000/0000	2-20038/1004	01/12/77	90	47	3439N 05505E	23.9	142.9	GGGG		
2721-06023	00000/0000	2-20038/1005	01/12/77	100	47	3313N 05439E	24.9	142.2	GGGG		
2721-07412	00000/0000	2-20038/1373	01/12/77	20	48	4854N 03427E	13.8	149.3	FGGG		
2721-07414	00000/0000	2-20038/1374	01/12/77	30	48	4729N 03351E	14.8	148.7	GGGG		
2721-07421	00000/0000	2-20038/1375	01/12/77	50	48	4604N 03315E	15.9	148.0	GGGG		
2721-07423	00000/0000	2-20038/1376	01/12/77	30	48	4438N 03241E	16.9	147.4	FGGG		
2721-14342	00000/0000	2-20038/1293	01/12/77	30	52	4856N 06847W	13.8	149.3	GGGG		
2721-14394	00000/0000	2-20038/1294	01/12/77	80	52	3021N 07516W	26.8	140.8	GGGG		
2721-14401	00000/0000	2-20038/1295	01/12/77	70	52	2855N 07540W	27.8	140.0	FGGG		
2721-14403	00000/0000	2-20038/1298	01/12/77	80	52	2729N 07604W	28.7	139.3	GG		
2721-14410	00000/0000	2-20038/1296	01/12/77	30	52	2602N 07627W	29.6	138.5	GGGG		
2721-14412	00000/0000	2-20038/1297	01/12/77	40	52	2436N 07650W	30.5	137.7	GGFG		
2722-02400	00000/0000	2-20038/1467	01/13/77	10	59	3857N 10638E	21.0	144.7	F		
2722-02403	00000/0000	2-20038/1468	01/13/77	60	59	3732N 10610E	22.0	144.1	GGGG		
2722-02405	00000/0000	2-20038/1469	01/13/77	70	59	3606N 10543E	23.0	143.4	GGGG		
2722-02412	00000/0000	2-20038/1470	01/13/77	80	59	3440N 10516E	24.0	142.8	GGGG		
2722-02414	00000/0000	2-20038/1471	01/13/77	80	59	3314N 10450E	25.0	142.1	GGGG		
2722-02421	00000/0000	2-20038/1472	01/13/77	80	59	3148N 10424E	25.9	141.4	GGGG		
2722-02423	00000/0000	2-20038/1473	01/13/77	90	59	3021N 10359E	26.9	140.7	GGGG		
2722-02430	00000/0000	2-20038/1474	01/13/77	90	59	2855N 10335E	27.8	139.9	GGGG		
2722-02432	00000/0000	2-20038/1475	01/13/77	90	59	2729N 10311E	28.7	139.2	GGGG		
2722-02435	00000/0000	2-20038/1476	01/13/77	70	59	2602N 10248E	29.7	138.4	GGGG		
2722-02441	00000/0000	2-20038/1477	01/13/77	70	59	2436N 10225E	30.6	137.6	GGGG		
2722-04191	00000/0000	2-20038/1312	01/13/77	10	60	5310N 08644E	10.8	151.2	GG G		
2722-04194	00000/0000	2-20038/1313	01/13/77	10	60	5145N 08600E	11.8	150.5	GG G		
2722-04200	00000/0000	2-20038/1314	01/13/77	10	60	5021N 08520E	12.9	149.8	FGFG		

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

18123 FEB 17, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/01/77 TO 01/31/77

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OBSERVATION ID	MICROFILM POSITION RBV	ROLL No./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN
2722-04203	00000/0000	2-20038/1315	01/13/77	20	60	4855N 08441E	13.9	149.2	GGGG		
2722-04205	00000/0000	2-20038/1316	01/13/77	20	60	4730N 08404E	14.9	148.5	GF G		
2722-04212	00000/0000	2-20038/1317	01/13/77	20	60	4605N 08328E	16.0	147.9	GGGG		
2722-04214	00000/0000	2-20038/1318	01/13/77	30	60	4440N 08254E	17.0	147.3	GGGG		
2722-04221	00000/0000	2-20038/1319	01/13/77	10	60	4314N 08221E	18.0	146.6	GGGF		
2722-04223	00000/0000	2-20038/1320	01/13/77	10	60	4149N 08150E	19.0	146.0	GGG		
2722-04230	00000/0000	2-20038/1321	01/13/77	20	60	4023N 08120E	20.0	145.4	GGGG		
2722-04232	00000/0000	2-20038/1322	01/13/77	10	60	3857N 08050E	21.0	144.7	GGGG		
2722-04235	00000/0000	2-20038/1323	01/13/77	0	60	3731N 08022E	22.0	144.1	GGGG		
2722-04241	00000/0000	2-20038/1324	01/13/77	0	60	3605N 07954E	23.0	143.4	GGGG		
2722-04244	00000/0000	2-20038/1325	01/13/77	0	60	3439N 07927E	24.0	142.7	GGGG		
2722-04250	00000/0000	2-20038/1326	01/13/77	0	60	3313N 07901E	25.0	142.1	GGGG		
2722-04253	00000/0000	2-20038/1327	01/13/77	0	60	3147N 07836E	25.9	141.4	GGGG		
2722-04255	00000/0000	2-20038/1328	01/13/77	0	60	3020N 07811E	26.9	140.6	GGGG		
2722-04262	00000/0000	2-20038/1329	01/13/77	10	60	2854N 07746E	27.8	139.9	GGGG		
2722-04264	00000/0000	2-20038/1330	01/13/77	10	60	2728N 07723E	28.8	139.2	GGGG		
2722-04271	00000/0000	2-20038/1331	01/13/77	10	60	2601N 07659E	29.7	138.4	GGGG		
2722-04273	00000/0000	2-20038/1332	01/13/77	10	60	2435N 07636E	30.6	137.6	GGGG		
2722-04280	00000/0000	2-20038/1333	01/13/77	0	60	2308N 07613E	31.5	136.8	GGGG		
2722-04282	00000/0000	2-20038/1334	01/13/77	0	60	2142N 07551E	32.3	136.0	GGGF		
2722-04285	00000/0000	2-20038/1335	01/13/77	10	60	2015N 07530E	33.2	135.1	FFGG		
2722-04291	00000/0000	2-20038/1336	01/13/77	0	60	1849N 07508E	34.0	134.2	FF F		
2722-04294	00000/0000	2-20038/1337	01/13/77	0	60	1722N 07447E	34.9	133.3	GGGG		
2722-04300	00000/0000	2-20038/1338	01/13/77	0	60	1555N 07426E	35.7	132.4	FGFG		
2722-04303	00000/0000	2-20038/1339	01/13/77	10	60	1429N 07405E	36.5	131.4	GGFG		
2722-06020	00000/0000	2-20038/1340	01/13/77	20	61	5434N 06139E	9.7	151.9	GGGG		
2722-06034	00000/0000	2-20038/1311	01/13/77	70	61	4855N 05851E	13.9	149.2	G FF		
2722-06041	00000/0000	2-20038/1341	01/13/77	30	61	4730N 05814E	14.9	148.5	FGGF		
2722-06043	00000/0000	2-20038/1342	01/13/77	10	61	4605N 05739E	16.0	147.9	GGGF		
2722-06050	00000/0000	2-20038/1343	01/13/77	20	61	4439N 05705E	17.0	147.3	GGGF		
2722-06052	00000/0000	2-20038/1344	01/13/77	40	61	4314N 05632E	18.0	146.6	FGGG		
2722-06055	00000/0000	2-20038/1345	01/13/77	60	61	4148N 05601E	19.0	146.0	FGGG		
2722-06061	00000/0000	2-20038/1346	01/13/77	80	61	4023N 05531E	20.1	145.3	GGGG		
2722-06064	00000/0000	2-20038/1347	01/13/77	80	61	3857N 05502E	21.1	144.7	GGGG		
2722-06070	00000/0000	2-20038/1348	01/13/77	80	61	3731N 05433E	22.0	144.1	GGGG		
2722-06073	00000/0000	2-20038/1349	01/13/77	50	61	3605N 05406E	23.0	143.4	GGGG		

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



18123 FEB 17, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NBN=US  
FROM 01/01/77 TO 01/31/77

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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE		SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV	MSS MSS DATA MODE	MSS MSS IMAGE GAIN
						LAT	LONG					
2722-07463	00000/0000	2-20038/1478	01/13/77	60	62	5019N	03341E	12.9	149.8	GGGG		
2722-07470	00000/0000	2-20038/1479	01/13/77	70	62	4855N	03303E	13.9	149.2	GGGG		
2722-07472	00000/0000	2-20038/1480	01/13/77	70	62	4729N	03223E	15.0	148.5	GGGG		
2722-07475	00000/0000	2-20038/1481	01/13/77	80	62	4604N	03149E	16.0	147.9	GGGG		
2722-14464	00000/0000	2-20038/1351	01/13/77	30	66	2602N	07754W	29.7	138.3	GG		
2722-14471	00000/0000	2-20038/1350	01/13/77	30	66	2436N	07816W	30.6	137.5	GGGG		H
2722-16223	00000/0000	2-20038/1360	01/13/77	40	67	5144N	09445W	11.9	150.4	GG G		
2722-16225	00000/0000	2-20038/1361	01/13/77	70	67	5020N	09525W	12.9	149.8	GGFG		
2722-18052	00000/0000	2-20038/1362	01/13/77	90	68	5310N	11948W	10.8	151.1	GGFG		
2722-18054	00000/0000	2-20038/1363	01/13/77	90	68	5145N	12031W	11.9	150.4	GGGG		
2722-18061	00000/0000	2-20038/1364	01/13/77	40	68	5021N	12112W	12.9	149.7	GGGG		
2723-02461	00000/0000	2-20038/1352	01/14/77	10	73	3732N	10445E	22.1	143.9	GGGG		
2723-02475	00000/0000	2-20038/1353	01/14/77	10	73	3148N	10258E	26.0	141.2	GGGG		
2723-04243	00000/0000	2-20038/1380	01/14/77	40	74	5434N	08603E	9.8	151.8	GGGG		
2723-04245	00000/0000	2-20038/1381	01/14/77	10	74	5309N	08517E	10.9	151.0	GGGG		
2723-04252	00000/0000	2-20038/1382	01/14/77	20	74	5145N	08434E	11.9	150.4	FFGG		
2723-04254	00000/0000	2-20038/1383	01/14/77	30	74	5020N	08353E	13.0	149.7	GGGG		
2723-04261	00000/0000	2-20038/1384	01/14/77	40	74	4855N	08314E	14.0	149.0	GGGG		
2723-04263	00000/0000	2-20038/1385	01/14/77	10	74	4730N	08237E	15.1	148.4	GGG		
2723-04270	00000/0000	2-20038/1386	01/14/77	0	74	4605N	08201E	16.1	147.7	GGGG		
2723-04272	00000/0000	2-20038/1387	01/14/77	10	74	4440N	08128E	17.1	147.1	GGGG		
2723-04275	00000/0000	2-20038/1388	01/14/77	10	74	4314N	08055E	18.1	146.5	GGGG		
2723-04281	00000/0000	2-20038/1389	01/14/77	30	74	4149N	08024E	19.1	145.8	GGGG		
2723-04284	00000/0000	2-20038/1390	01/14/77	10	74	4023N	07954E	20.1	145.2	FFGF		
2723-04290	00000/0000	2-20038/1391	01/14/77	60	74	3857N	07924E	21.1	144.5	FF G		
2723-04293	00000/0000	2-20038/1392	01/14/77	70	74	3731N	07856E	22.1	143.9	FG G		
2723-04295	00000/0000	2-20038/1393	01/14/77	90	74	3605N	07829E	23.1	143.2	GGGG		
2723-04302	00000/0000	2-20038/1394	01/14/77	90	74	3439N	07802E	24.1	142.5	GGGG		
2723-04304	00000/0000	2-20038/1395	01/14/77	90	74	3313N	07736E	25.1	141.9	GGGG		
2723-04311	00000/0000	2-20038/1396	01/14/77	90	74	3147N	07710E	26.0	141.2	GGGG		
2723-04313	00000/0000	2-20038/1378	01/14/77	80	74	3021N	07645E	27.0	140.4	G G		
2723-04320	00000/0000	2-20038/1379	01/14/77	70	74	2855N	07621E	27.9	139.7	G GG		
2723-04322	00000/0000	2-20038/1413	01/14/77	40	74	2728N	07557E	28.8	139.0	GG		
2723-04325	00000/0000	2-20038/1397	01/14/77	20	74	2602N	07534E	29.7	138.2	GGG		
2723-04331	00000/0000	2-20038/1398	01/14/77	10	74	2436N	07511E	30.6	137.4	GGG		
2723-04334	00000/0000	2-20038/1399	01/14/77	30	74	2309N	07449E	31.5	136.6	GGGG		

KEYS: CLOUD COVER X ..... 0 TO 100 = % CLOUD COVER.  
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 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/01/77 TO 01/31/77

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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN
2723-04340	00000/0000	2-20038/1400	01/14/77	20	74	2142N 07426E	32.4	135.8	GGGG		
2723-04343	00000/0000	2-20038/1401	01/14/77	10	74	2016N 07404E	33.2	134.9	GFGG		
2723-04345	00000/0000	2-20038/1402	01/14/77	10	74	1849N 07343E	34.1	134.0	FFFF		
2723-04352	00000/0000	2-20038/1354	01/14/77	10	74	1723N 07322E	34.9	133.1	GGGG		
2723-06074	00000/0000	2-20038/1403	01/14/77	90	75	5433N 06015E	9.9	151.7	FFGG		
2723-06081	00000/0000	2-20038/1404	01/14/77	30	75	5308N 05929E	10.9	151.0	GGGG		
2723-06083	00000/0000	2-20038/1405	01/14/77	10	75	5144N 05846E	12.0	150.3	FGGG		
2723-06090	00000/0000	2-20038/1406	01/14/77	10	75	5019N 05805E	13.0	149.7	GGGF		
2723-06092	00000/0000	2-20038/1407	01/14/77	20	75	4854N 05726E	14.0	149.0	GGGF		
2723-06095	00000/0000	2-20038/1408	01/14/77	30	75	4729N 05649E	15.1	148.4	FGFF		
2723-06101	00000/0000	2-20038/1409	01/14/77	50	75	4604N 05613E	16.1	147.7	FGGG		
2723-06104	00000/0000	2-20038/1410	01/14/77	40	75	4439N 05540E	17.1	147.1	GGGG		
2723-06110	00000/0000	2-20038/1411	01/14/77	30	75	4314N 05507E	18.1	146.4	GGGG		
2723-06113	00000/0000	2-20038/1412	01/14/77	10	75	4148N 05435E	19.2	145.8	GGGF		
2723-07521	00000/0000	2-20038/1355	01/14/77	20	76	5019N 03214E	13.0	149.7	GGGG		
2723-07524	00000/0000	2-20038/1356	01/14/77	30	76	4854N 03135E	14.1	149.0	GGGG		
2723-07530	00000/0000	2-20038/1357	01/14/77	80	76	4729N 03058E	15.1	148.3	GGGG		
2723-07533	00000/0000	2-20038/1358	01/14/77	80	76	4604N 03023E	16.1	147.7	GGGG		
2724-02515	00000/0000	2-20038/1454	01/15/77	0	87	3731N 10319E	22.2	143.7	GGGG		
2724-02522	00000/0000	2-20038/1455	01/15/77	10	87	3606N 10251E	23.2	143.0	GGGG		
2724-02551	00000/0000	2-20038/1456	01/15/77	10	87	2602N 09956E	29.8	138.0	GGGG		
2724-07564	00000/0000	2-20038/1457	01/15/77	10	90	5432N 03258E	10.0	151.6	GGGG		
2724-07571	00000/0000	2-20038/1458	01/15/77	10	90	5308N 03212E	11.1	150.9	GGG		
2724-07573	00000/0000	2-20038/1459	01/15/77	10	90	5143N 03129E	12.1	150.2	GGGG		
2724-07580	00000/0000	2-20038/1460	01/15/77	10	90	5019N 03048E	13.2	149.5	GGGG		
2724-07582	00000/0000	2-20038/1461	01/15/77	10	90	4854N 03009E	14.2	148.8	GGGG		
2724-07585	00000/0000	2-20038/1462	01/15/77	10	90	4729N 02933E	15.2	148.2	GGGG		
2724-07591	00000/0000	2-20038/1463	01/15/77	90	90	4604N 02857E	16.2	147.5	GGGG		
2724-14512	00000/0000	2-20038/1359	01/15/77	30	94	4855N 07306W	14.2	148.8	GGGG		
2724-18173	00000/0000	2-20038/1466	01/15/77	70	96	5020N 12406W	13.2	149.4	GGGG		
2725-02571	00000/0000	2-20038/1502	01/16/77	40	101	3857N 10221E	21.4	144.2	GGGG		
2725-02574	00000/0000	2-20038/1503	01/16/77	30	101	3731N 10153E	22.4	143.5	GGGG		
2725-06232	00000/0000	2-20038/1504	01/16/77	70	103	4022N 05111E	20.4	144.8	GGGG		
2725-08025	00000/0000	2-20038/1505	01/16/77	0	104	5307N 03046E	11.2	150.7	GGFG		
2725-08043	00000/0000	2-20038/1506	01/16/77	60	104	4728N 02807E	15.4	148.0	GGGG		
2725-08045	00000/0000	2-20038/1507	01/16/77	90	104	4603N 02732E	16.4	147.4	GGGG		

KEYS: CLOUD COVER X ..... 0 TO 100 = X CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/01/77 TO 01/31/77

PAGE 0060

OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL RBV	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV	MSS DATA MODE	MSS IMAGE GAIN
2725-13135	00000/0000 2-20038/0817	01/16/77	90	107	4855N	04842W	14.3	148.6	GGGG	
2725-13142	00000/0000 2-20038/0818	01/16/77	90	107	4730N	04919W	15.4	148.0	GGGG	
2725-13144	00000/0000 2-20038/0819	01/16/77	80	107	4604N	04956W	16.4	147.3	GGGG	
2725-13151	00000/0000 2-20038/0820	01/16/77	90	107	4438N	05029W	17.4	146.7	GGGG	
2725-13153	00000/0000 2-20038/0821	01/16/77	90	107	4313N	05102W	18.4	146.1	GGGG	
2725-16393	00000/0000 2-20038/1464	01/16/77	10	109	5144N	09903W	12.3	150.0	GGGF	
2725-16400	00000/0000 2-20038/1465	01/16/77	10	109	5019N	09944W	13.3	149.3	GGGG	
2726-06290	00000/0000 2-20038/1508	01/17/77	60	117	4022N	04945E	20.5	144.6	GGGG	
2726-06292	00000/0000 2-20038/1509	01/17/77	70	117	3856N	04916E	21.5	144.0	FGGG	
2726-08092	00000/0000 2-20038/1510	01/17/77	30	118	5017N	02756E	13.5	149.2	GGGG	
2726-08095	00000/0000 2-20038/1511	01/17/77	50	118	4852N	02717E	14.5	148.5	GGGG	
2726-08101	00000/0000 2-20038/1512	01/17/77	60	118	4727N	02640E	15.5	147.9	GGGF	
2726-13191	00000/0000 2-20038/1482	01/17/77	30	121	5019N	04932W	13.5	149.2	GGGG	
2726-13193	00000/0000 2-20038/1483	01/17/77	10	121	4854N	05010W	14.5	148.5	GGGG	
2726-13200	00000/0000 2-20038/1484	01/17/77	80	121	4730N	05047W	15.5	147.8	GGGG	
2726-13202	00000/0000 2-20038/1485	01/17/77	80	121	4604N	05122W	16.6	147.2	GGGG	
2726-13205	00000/0000 2-20038/1486	01/17/77	80	121	4439N	05156W	17.6	146.5	GGGG	
2726-13211	00000/0000 2-20038/1487	01/17/77	80	121	4313N	05229W	18.6	145.9	GGGG	
2726-13214	00000/0000 2-20038/1488	01/17/77	60	121	4148N	05300W	19.6	145.2	GGGG	
2726-16454	00000/0000 2-20038/1569	01/17/77	0	123	5019N	10111W	13.5	149.1	GGGG	
2726-16522	00000/0000 2-20038/1570	01/17/77	10	123	2727N	10904W	29.2	138.2	GGGG	
2726-16524	00000/0000 2-20038/1573	01/17/77	40	123	2601N	10927W	30.0	137.4	GG	
2726-16531	00000/0000 2-20038/1571	01/17/77	60	123	2434N	10950W	30.9	136.6	GGGG	
2726-16533	00000/0000 2-20038/1572	01/17/77	90	123	2307N	11012W	31.8	135.8	GGGP	
2727-03081	00000/0000 2-20038/1414	01/18/77	30	129	4022N	09958E	20.7	144.5	FFGG	
2727-03083	00000/0000 2-20038/1415	01/18/77	50	129	3856N	09930E	21.6	143.8	GGGG	
2727-03090	00000/0000 2-20038/1416	01/18/77	10	129	3731N	09901E	22.6	143.1	FFGG	
2727-03092	00000/0000 2-20038/1417	01/18/77	0	129	3605N	09834E	23.6	142.5	GGGG	
2727-03095	00000/0000 2-20038/1418	01/18/77	0	129	3438N	09806E	24.5	141.8	GGGG	
2727-03101	00000/0000 2-20038/1419	01/18/77	10	129	3312N	09740E	25.5	141.1	GGGG	
2727-03104	00000/0000 2-20038/1420	01/18/77	10	129	3146N	09715E	26.4	140.3	GGGG	
2727-03110	00000/0000 2-20038/1421	01/18/77	10	129	3020N	09650E	27.4	139.6	GGGG	
2727-03113	00000/0000 2-20038/1422	01/18/77	20	129	2854N	09626E	28.3	138.9	GGGG	
2727-03115	00000/0000 2-20038/1423	01/18/77	40	129	2727N	09602E	29.2	138.1	GGGG	
2727-03122	00000/0000 2-20038/1424	01/18/77	30	129	2601N	09538E	30.1	137.3	FGGG	
2727-03124	00000/0000 2-20038/1425	01/18/77	20	129	2435N	09515E	31.0	136.5	FGGG	

KEYS: CLOUD COVER X ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN=US  
FROM 01/01/77 TO 01/31/77

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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	SUNBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN
2727-03131	00000/0000	2-20038/1426	01/18/77	10	129	2308N	09452E	31.8	135.7	FGGF	
2727-03133	00000/0000	2-20038/1427	01/18/77	10	129	2142N	09430E	32.7	134.8	GGGF	
2727-03140	00000/0000	2-20038/1428	01/18/77	0	129	2015N	09409E	33.5	133.9	GGFG	
2727-04474	00000/0000	2-20038/1429	01/18/77	10	130	5308N	07931E	11.5	150.4	PPPP	
2727-04483	00000/0000	2-20038/1430	01/18/77	0	130	5019N	07808E	13.6	149.0	PPPP	
2727-04490	00000/0000	2-20038/1431	01/18/77	0	130	4854N	07729E	14.6	148.4	PPPP	
2727-04495	00000/0000	2-20038/1432	01/18/77	10	130	4604N	07616E	16.7	147.1	FGGP	
2727-04501	00000/0000	2-20038/1433	01/18/77	70	130	4439N	07542E	17.7	146.4	GFGP	
2727-04504	00000/0000	2-20038/1434	01/18/77	60	130	4313N	07510E	18.7	145.8	GGFP	
2727-04510	00000/0000	2-20038/1435	01/18/77	70	130	4147N	07438E	19.7	145.1	GFFF	
2727-04513	00000/0000	2-20038/1436	01/18/77	50	130	4022N	07408E	20.7	144.4	GGGF	
2727-04515	00000/0000	2-20038/1437	01/18/77	60	130	3855N	07339E	21.7	143.8	FGGF	
2727-04522	00000/0000	2-20038/1438	01/18/77	90	130	3730N	07311E	22.6	143.1	FGGF	
2727-04524	00000/0000	2-20038/1439	01/18/77	90	130	3604N	07244E	23.6	142.4	GGGF	
2727-04531	00000/0000	2-20038/1440	01/18/77	90	130	3438N	07217E	24.6	141.8	FGGF	
2727-04533	00000/0000	2-20038/1441	01/18/77	70	130	3312N	07151E	25.5	141.0	FFFF	
2727-04540	00000/0000	2-20038/1442	01/18/77	50	130	3146N	07126E	26.5	140.3	PPFF	
2727-04542	00000/0000	2-20038/1443	01/18/77	20	130	3020N	07101E	27.4	139.6	PPPP	
2727-04545	00000/0000	2-20038/1444	01/18/77	10	130	2853N	07037E	28.3	138.8	PPPP	
2727-04551	00000/0000	2-20038/1445	01/18/77	70	130	2727N	07013E	29.2	138.1	PPPP	
2727-04554	00000/0000	2-20038/1446	01/18/77	40	130	2600N	06950E	30.1	137.3	PPFP	
2727-04560	00000/0000	2-20038/1447	01/18/77	10	130	2434N	06926E	31.0	136.5	PPPP	
2727-04563	00000/0000	2-20038/1448	01/18/77	10	130	2308N	06904E	31.8	135.7	PPPP	
2727-04565	00000/0000	2-20038/1449	01/18/77	10	130	2141N	06842E	32.7	134.8	PPPP	
2727-04572	00000/0000	2-20038/1450	01/18/77	10	130	2015N	06820E	33.5	133.9	PPPP	
2727-06315	00000/0000	2-20038/1451	01/18/77	20	131	5018N	05218E	13.6	149.0	FGFF	
2727-06324	00000/0000	2-20038/1452	01/18/77	40	131	4728N	05103E	15.7	147.7	FPFF	
2727-06330	00000/0000	2-20038/1453	01/18/77	10	131	4603N	05027E	16.7	147.0	FGGP	
2727-06342	00000/0000	2-20038/1574	01/18/77	40	131	4147N	04849E	19.7	145.1	GGGG	
2727-08141	00000/0000	2-20038/1575	01/18/77	0	132	5307N	02754E	11.6	150.4	GGGG	
2727-08144	00000/0000	2-20038/1576	01/18/77	0	132	5143N	02711E	12.6	149.7	GGFG	
2727-08150	00000/0000	2-20038/1577	01/18/77	10	132	5018N	02630E	13.6	149.0	GGGG	
2727-13242	00000/0000	2-20038/1496	01/18/77	90	135	5143N	05015W	12.6	149.7	GGGG	
2727-13245	00000/0000	2-20038/1497	01/18/77	50	135	5019N	05056W	13.6	149.0	GGGG	
2727-13251	00000/0000	2-20038/1498	01/18/77	10	135	4854N	05135W	14.7	148.3	GGGG	
2727-13254	00000/0000	2-20038/1499	01/18/77	10	135	4729N	05212W	15.7	147.7	GGGG	

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/01/77 TO 01/31/77

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OBSERVATION ID	MICROFILM ROL POSITION IN ROL RBV	NO. / MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN
2727-13260	00000/0000	2-20038/1500	01/18/77	10	135	4604N 05247W	16.7	147.0	FGGG		
2727-13265	00000/0000	2-20038/1501	01/18/77	50	135	4314N 05352W	18.7	145.7	GGGG		
2727-16512	00000/0000	2-20038/1513	01/18/77	90	137	5019N 10234W	13.7	149.0	GGG		
2728-01313	00000/0000	2-20038/1578	01/19/77	30	142	3730N 12323E	22.7	143.0	GGGG		
2728-01331	00000/0000	2-20038/1579	01/19/77	100	142	3146N 12137E	26.6	140.2	GGGG		
2728-01333	00000/0000	2-20038/1580	01/19/77	90	142	3020N 12112E	27.5	139.4	GGGG		
2728-01340	00000/0000	2-20038/1581	01/19/77	100	142	2853N 12048E	28.4	138.7	GGGG		
2728-01342	00000/0000	2-20038/1582	01/19/77	100	142	2727N 12024E	29.3	137.9	GGGG		
2728-06400	00000/0000	2-20038/1516	01/19/77	70	145	4146N 04723E	19.8	144.9	GGGF		
2728-06402	00000/0000	2-20038/1517	01/19/77	90	145	4020N 04653E	20.8	144.2	GGGG		
2728-06405	00000/0000	2-20038/1518	01/19/77	70	145	3855N 04624E	21.8	143.6	GGGG		
2728-08195	00000/0000	2-20038/1519	01/19/77	0	146	5310N 02629E	11.7	150.3	GGGG		
2728-08202	00000/0000	2-20038/1520	01/19/77	0	146	5146N 02546E	12.7	149.6	FFGG		
2728-08204	00000/0000	2-20038/1521	01/19/77	10	146	5021N 02505E	13.8	148.9	GGGG		
2728-13301	00000/0000	2-20038/1489	01/19/77	60	149	5143N 05142W	12.8	149.5	GGGG		
2728-13303	00000/0000	2-20038/1490	01/19/77	40	149	5018N 05222W	13.8	148.8	GGGG		
2728-13310	00000/0000	2-20038/1491	01/19/77	30	149	4854N 05300W	14.8	148.2	GGGG		
2728-13312	00000/0000	2-20038/1492	01/19/77	20	149	4729N 05337W	15.9	147.5	GGGG		
2728-13315	00000/0000	2-20038/1493	01/19/77	40	149	4604N 05413W	16.9	146.8	GGGG		
2728-13324	00000/0000	2-20038/1494	01/19/77	40	149	4313N 05520W	18.9	145.5	GGGG		
2728-13330	00000/0000	2-20038/1495	01/19/77	60	149	4147N 05551W	19.9	144.9	GGGG		
2728-16564	00000/0000	2-20038/1514	01/19/77	10	151	5143N 10320W	12.8	149.5	FGGG		
2728-16570	00000/0000	2-20038/1515	01/19/77	0	151	5018N 10400W	13.8	148.8	GGGG		
2729-01371	00000/0000	2-20038/1522	01/20/77	40	156	3730N 12156E	22.9	142.8	GGGG		
2729-01373	00000/0000	2-20038/1523	01/20/77	60	156	3604N 12129E	23.9	142.1	FGGG		
2729-01380	00000/0000	2-20038/1524	01/20/77	70	156	3438N 12102E	24.8	141.4	GGGG		
2729-01382	00000/0000	2-20038/1525	01/20/77	100	156	3312N 12036E	25.7	140.7	GGGG		
2729-01385	00000/0000	2-20038/1526	01/20/77	90	156	3146N 12011E	26.7	139.9	GGGG		
2729-01391	00000/0000	2-20038/1527	01/20/77	90	156	3019N 11946E	27.6	139.2	GGGG		
2729-01394	00000/0000	2-20038/1528	01/20/77	90	156	2853N 11922E	28.5	138.4	GGGG		
2729-01400	00000/0000	2-20038/1529	01/20/77	90	156	2727N 11859E	29.4	137.7	GGGG		
2729-01403	00000/0000	2-20038/1530	01/20/77	90	156	2601N 11836E	30.3	136.9	GGGG		
2729-01405	00000/0000	2-20038/1531	01/20/77	50	156	2435N 11813E	31.2	136.0	GGGG		
2729-06425	00000/0000	2-20038/1652	01/20/77	0	159	5142N 05007E	12.9	149.4	GFG		
2729-06452	00000/0000	2-20038/1653	01/20/77	30	159	4311N 04629E	19.0	145.4	GGGG		
2729-06454	00000/0000	2-20038/1654	01/20/77	70	159	4146N 04558E	20.0	144.7	GGGG		

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/01/77 TO 01/31/77

PAGE 0063

OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL RBV	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN
2729-06461	00000/0000	2-20038/1655	01/20/77	30	159 4020N	04527E	21.0 144.1	GGGG		
2729-06463	00000/0000	2-20038/1656	01/20/77	50	159 3855N	04458E	22.0 143.4	GGFG		
2729-08263	00000/0000	2-20038/1633	01/20/77	70	160 5020N	02338E	13.9 148.7	GGGF		
2729-13352	00000/0000	2-20038/1540	01/20/77	100	163 5307N	05226W	11.9 150.1	FGGG		
2729-13355	00000/0000	2-20038/1541	01/20/77	100	163 5143N	05309W	13.0 149.4	FGG		
2729-13361	00000/0000	2-20038/1542	01/20/77	100	163 5018N	05349W	14.0 148.7	GGFG		
2729-13364	00000/0000	2-20038/1543	01/20/77	90	163 4854N	05428W	15.0 148.0	FFGG		
2729-13370	00000/0000	2-20038/1544	01/20/77	90	163 4729N	05505W	16.0 147.3	FGGG		
2729-13373	00000/0000	2-20038/1545	01/20/77	90	163 4603N	05540W	17.0 146.7	GGGF		
2729-13375	00000/0000	2-20038/1546	01/20/77	80	163 4438N	05614W	18.0 146.0	GGGP		
2729-13382	00000/0000	2-20038/1547	01/20/77	90	163 4312N	05647W	19.0 145.3	GGGG		
2729-13384	00000/0000	2-20038/1548	01/20/77	90	163 4147N	05718W	20.0 144.7	GGGG		
2729-17022	00000/0000	2-20038/1532	01/20/77	40	165 5143N	10447W	13.0 149.3	FFGG		
2729-17025	00000/0000	2-20038/1533	01/20/77	80	165 5018N	10528W	14.0 148.6	GGGG		
2730-01425	00000/0000	2-20038/1634	01/21/77	10	170 3730N	12031E	23.0 142.6	GGGG		
2730-01431	00000/0000	2-20038/1635	01/21/77	10	170 3604N	12003E	24.0 141.9	GGGF		
2730-01434	00000/0000	2-20038/1636	01/21/77	20	170 3438N	11937E	24.9 141.2	GGGG		
2730-01440	00000/0000	2-20038/1637	01/21/77	80	170 3312N	11911E	25.9 140.4	GGGG		
2730-01443	00000/0000	2-20038/1638	01/21/77	100	170 3146N	11845E	26.8 139.7	GGGG		
2730-01445	00000/0000	2-20038/1639	01/21/77	100	170 3020N	11820E	27.7 139.0	GGGG		
2730-01452	00000/0000	2-20038/1640	01/21/77	100	170 2853N	11756E	28.6 138.2	GGFG		
2730-01454	00000/0000	2-20038/1641	01/21/77	90	170 2727N	11732E	29.5 137.4	GGGF		
2730-01461	00000/0000	2-20038/1642	01/21/77	80	170 2601N	11709E	30.4 136.6	GGGG		
2730-01463	00000/0000	2-20038/1643	01/21/77	60	170 2435N	11646E	31.3 135.8	GGGG		
2730-01470	00000/0000	2-20038/1644	01/21/77	70	170 2308N	11623E	32.1 135.0	GGGG		
2730-06494	00000/0000	2-20038/1645	01/21/77	0	173 4727N	04644E	16.2 147.2	GGGG		
2730-06501	00000/0000	2-20038/1646	01/21/77	0	173 4603N	04610E	17.2 146.5	GGGF		
2730-06503	00000/0000	2-20038/1647	01/21/77	10	173 4438N	04536E	18.2 145.9	FGGG		
2730-06510	00000/0000	2-20038/1648	01/21/77	30	173 4312N	04504E	19.2 145.2	GGGG		
2730-06512	00000/0000	2-20038/1649	01/21/77	70	173 4146N	04433E	20.2 144.5	GGGG		
2730-06515	00000/0000	2-20038/1650	01/21/77	30	173 4020N	04402E	21.1 143.9	GGGG		
2730-08303	00000/0000	2-20038/1651	01/21/77	10	174 5557N	02510E	10.0 151.5	FGGG		
2730-13404	00000/0000	2-20038/1559	01/21/77	90	177 5431N	05309W	11.1 150.7	FGGG		
2730-13411	00000/0000	2-20038/1560	01/21/77	90	177 5307N	05354W	12.1 149.9	GGGG		
2730-13413	00000/0000	2-20038/1561	01/21/77	90	177 5142N	05437W	13.2 149.2	GGGG		
2730-13420	00000/0000	2-20038/1562	01/21/77	90	177 5018N	05517W	14.2 148.5	FGGG		

KEYS: CLOUD COVER % ..... 0 TO 100 \* % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

18123 FEB 17, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/01/77 TO 01/31/77

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OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL RBV	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN
2730-13422	00000/0000 2-20038/1563	01/21/77	90	177	4853N 05556W	15.2	147.8	GGGG		
2730-13425	00000/0000 2-20038/1564	01/21/77	90	177	4728N 05632W	16.2	147.2	GGGG		
2730-13431	00000/0000 2-20038/1565	01/21/77	90	177	4603N 05707W	17.2	146.5	GGGG		
2730-13434	00000/0000 2-20038/1566	01/21/77	60	177	4438N 05741W	18.2	145.8	GGGG		
2730-13440	00000/0000 2-20038/1567	01/21/77	80	177	4313N 05814W	19.2	145.2	GGGG		
2730-13443	00000/0000 2-20038/1568	01/21/77	60	177	4147N 05846W	20.2	144.5	GGGG		
2730-17071	00000/0000 2-20038/1534	01/21/77	80	179	5431N 10447W	11.1	150.6	GGGG		
2730-17074	00000/0000 2-20038/1535	01/21/77	70	179	5306N 10533W	12.2	149.9	GGGF		
2730-17080	00000/0000 2-20038/1536	01/21/77	80	179	5142N 10616W	13.2	149.2	GGGG		
2730-17083	00000/0000 2-20038/1537	01/21/77	90	179	5017N 10656W	14.2	148.5	FGGG		
2730-18505	00000/0000 2-20038/1538	01/21/77	80	180	5307N 13120W	12.2	149.9	GGGG		
2730-18512	00000/0000 2-20038/1539	01/21/77	90	180	5143N 13203W	13.2	149.2	FGGG		
2731-01481	00000/0000 2-20038/1657	01/22/77	20	184	3856N 11932E	22.2	143.0	GGGF		
2731-01483	00000/0000 2-20038/1658	01/22/77	40	184	3730N 11903E	23.2	142.4	GGGG		
2731-01490	00000/0000 2-20038/1659	01/22/77	80	184	3604N 11836E	24.2	141.7	GGGG		
2731-01492	00000/0000 2-20038/1660	01/22/77	70	184	3438N 11810E	25.1	141.0	GGGG		
2731-01495	00000/0000 2-20038/1661	01/22/77	70	184	3311N 11744E	26.0	140.2	GGGG		
2731-01501	00000/0000 2-20038/1662	01/22/77	80	184	3145N 11719E	27.0	139.5	GGGG		
2731-01504	00000/0000 2-20038/1663	01/22/77	80	184	3018N 11654E	27.9	138.7	GGGG		
2731-01510	00000/0000 2-20038/1664	01/22/77	90	184	2852N 11630E	28.8	138.0	GGGG		
2731-01513	00000/0000 2-20038/1665	01/22/77	100	184	2726N 11606E	29.7	137.2	GGGG		
2731-01515	00000/0000 2-20038/1666	01/22/77	100	184	2600N 11543E	30.5	136.4	GGGG		
2731-06552	00000/0000 2-20038/1681	01/22/77	80	187	4727N 04517E	16.4	147.0	FFFF		
2731-06555	00000/0000 2-20038/1616	01/22/77	90	187	4602N 04443E	17.4	146.4	GGGF		
2731-06561	00000/0000 2-20038/1617	01/22/77	100	187	4437N 04409E	18.4	145.7	FGGG		
2731-06564	00000/0000 2-20038/1618	01/22/77	60	187	4312N 04337E	19.3	145.0	GGGG		
2731-13462	00000/0000 2-20038/1549	01/22/77	60	191	5432N 05433W	11.3	150.5	GGGG		
2731-13465	00000/0000 2-20038/1550	01/22/77	90	191	5307N 05519W	12.3	149.8	GGGG		
2731-13471	00000/0000 2-20038/1551	01/22/77	30	191	5142N 05601W	13.3	149.1	GGGG		
2731-13474	00000/0000 2-20038/1552	01/22/77	30	191	5018N 05641W	14.4	148.4	GGGG		
2731-13480	00000/0000 2-20038/1553	01/22/77	30	191	4853N 05720W	15.4	147.7	GGGG		
2731-13483	00000/0000 2-20038/1554	01/22/77	80	191	4728N 05757W	16.4	147.0	GGGG		
2731-13485	00000/0000 2-20038/1555	01/22/77	70	191	4603N 05833W	17.4	146.3	GGGG		
2731-13492	00000/0000 2-20038/1556	01/22/77	30	191	4438N 05906W	18.4	145.6	GGGG		
2731-13494	00000/0000 2-20038/1557	01/22/77	80	191	4312N 05939W	19.4	145.0	GGGG		
2731-13501	00000/0000 2-20038/1558	01/22/77	90	191	4147N 06010W	20.4	144.3	GGGG		

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

18123 FEB 17, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/01/77 TO 01/31/77

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OBSERVATION ID	MICROFILM ROL POSITION IN ROL RBV	NO. / IN ROL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	PRINCIPAL POINT OF IMAGE LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN
2731-17125	00000/0000	2-20038/1583	01/22/77	100	193	5432N	10612W	11.3	150.5	FGGF		
2731-17132	00000/0000	2-20038/1584	01/22/77	80	193	5307N	10657W	12.4	149.8	FGGG		
2731-17134	00000/0000	2-20038/1585	01/22/77	40	193	5143N	10740W	13.4	149.0	GGGF		
2731-17141	00000/0000	2-20038/1586	01/22/77	10	193	5019N	10820W	14.4	148.3	GGGG		
2731-17200	00000/0000	2-20038/1587	01/22/77	40	193	3019N	11527W	28.0	138.6	GGGG		
2732-01532	00000/0000	2-20038/1603	01/23/77	10	198	4021N	11835E	21.4	143.5	GGGG		
2732-01535	00000/0000	2-20038/1604	01/23/77	10	198	3856N	11806E	22.4	142.9	GGGG		
2732-01541	00000/0000	2-20038/1605	01/23/77	10	198	3730N	11737E	23.4	142.2	GGGG		
2732-01544	00000/0000	2-20038/1606	01/23/77	50	198	3603N	11710E	24.3	141.5	GGG		
2732-01550	00000/0000	2-20038/1607	01/23/77	70	198	3437N	11643E	25.3	140.7	FGGG		
2732-01553	00000/0000	2-20038/1608	01/23/77	10	198	3312N	11617E	26.2	140.0	GGG		
2732-01555	00000/0000	2-20038/1609	01/23/77	10	198	3146N	11551E	27.1	139.3	GGGG		
2732-01562	00000/0000	2-20038/1610	01/23/77	50	198	3020N	11526E	28.0	138.5	GGGG		
2732-01564	00000/0000	2-20038/1611	01/23/77	80	198	2853N	11502E	28.9	137.7	GGGG		
2732-01571	00000/0000	2-20038/1612	01/23/77	90	198	2726N	11439E	29.8	137.0	GGGG		
2732-01573	00000/0000	2-20038/1613	01/23/77	70	198	2559N	11416E	30.7	136.1	GGGG		
2732-01580	00000/0000	2-20038/1614	01/23/77	50	198	2432N	11353E	31.5	135.3	GGGG		
2732-01582	00000/0000	2-20038/1615	01/23/77	10	198	2306N	11331E	32.4	134.5	GGGG		
2732-07004	00000/0000	2-20038/1682	01/23/77	50	201	4852N	04429E	15.5	147.5	FFFF		
2732-07020	00000/0000	2-20038/1683	01/23/77	60	201	4436N	04244E	18.5	145.5	GGGG		
2732-13514	00000/0000	2-20038/1619	01/23/77	80	205	5556N	05512W	10.5	151.2	FGG		
2732-13520	00000/0000	2-20038/1620	01/23/77	90	205	5431N	05600W	11.5	150.4	GGG		
2732-13523	00000/0000	2-20038/1631	01/23/77	50	205	5307N	05644W	12.5	149.6	F		
2732-13525	00000/0000	2-20038/1632	01/23/77	50	205	5143N	05727W	13.5	148.9	F		
2732-13532	00000/0000	2-20038/1621	01/23/77	90	205	5018N	05807W	14.6	148.2	GGGF		
2732-13534	00000/0000	2-20038/1622	01/23/77	60	205	4853N	05846W	15.6	147.5	GGGF		
2732-13541	00000/0000	2-20038/1623	01/23/77	70	205	4728N	05923W	16.6	146.8	GGGF		
2732-13543	00000/0000	2-20038/1624	01/23/77	90	205	4603N	05958W	17.6	146.1	GGGF		
2732-13550	00000/0000	2-20038/1630	01/23/77	80	205	4438N	06032W	18.6	145.5	GF		
2732-13552	00000/0000	2-20038/1625	01/23/77	90	205	4312N	06105W	19.6	144.8	GGGF		
2732-13555	00000/0000	2-20038/1626	01/23/77	90	205	4147N	06136W	20.5	144.1	GGGF		
2732-13561	00000/0000	2-20038/1627	01/23/77	80	205	4021N	06206W	21.5	143.4	FGGF		
2732-13564	00000/0000	2-20038/1628	01/23/77	80	205	3856N	06235W	22.5	142.8	GGGF		
2732-13570	00000/0000	2-20038/1629	01/23/77	80	205	3730N	06304W	23.4	142.1	GGGF		
2733-01591	00000/0000	2-20038/1684	01/24/77	80	212	4021N	11709E	21.6	143.3	GGGG		
2733-01593	00000/0000	2-20038/1685	01/24/77	80	212	3855N	11539E	22.6	142.7	GGGG		

KEYS: CLOUD COVER % ..... 0 TO 100 % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

H  
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18123 FEB 17, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/01/77 TO 01/31/77

PAGE 0066

OBSERVATION ID	MICROFILM ROL POSITION IN ROL RBV	NO. MSR	DATE ACQUIRED	CLOUD COVER	SRBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	PRINCIPAL POINT OF IMAGE LONG	SUN ELEV.	SUN AZIM.	IMAGE=QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN
2733-02000	00000/0000	2-20038/1686	01/24/77	90	212	3729N	11611E	23.5	142.0	GGGG		
2733-02002	00000/0000	2-20038/1687	01/24/77	90	212	3603N	11544E	24.5	141.3	GGGG		
2733-02005	00000/0000	2-20038/1688	01/24/77	90	212	3437N	11517E	25.4	140.5	GGGG		
2733-02011	00000/0000	2-20038/1689	01/24/77	40	212	3311N	11452E	26.3	139.8	FFFF		
2733-02014	00000/0000	2-20038/1690	01/24/77	30	212	3145N	11426E	27.3	139.1	FGGG		
2733-02020	00000/0000	2-20038/1691	01/24/77	10	212	3019N	11401E	28.2	138.3	GGGG		
2733-02023	00000/0000	2-20038/1692	01/24/77	30	212	2853N	11337E	29.0	137.5	GGGG		
2733-02025	00000/0000	2-20038/1693	01/24/77	40	212	2726N	11313E	29.9	136.7	GGGG		
2733-02032	00000/0000	2-20038/1694	01/24/77	40	212	2600N	11249E	30.8	135.9	GGGG		
2733-02034	00000/0000	2-20038/1695	01/24/77	10	212	2434N	11227E	31.6	135.1	GGGG		
2733-02041	00000/0000	2-20038/1696	01/24/77	20	212	2308N	11204E	32.5	134.2	FGGG		
2733-02043	00000/0000	2-20038/1697	01/24/77	40	212	2141N	11142E	33.3	133.3	GGGG		
2733-13572	00000/0000	2-20038/1588	01/24/77	90	219	5556N	05637W	10.7	151.0	GGGG		
2733-13575	00000/0000	2-20038/1589	01/24/77	80	219	5432N	05724W	11.7	150.2	FFGG		
2733-13581	00000/0000	2-20038/1590	01/24/77	40	219	5308N	05809W	12.7	149.5	GGGG		
2733-13584	00000/0000	2-20038/1591	01/24/77	30	219	5143N	05853W	13.7	148.8	GGGG		
2733-13590	00000/0000	2-20038/1592	01/24/77	10	219	5018N	05934W	14.8	148.0	GGGG		
2733-13593	00000/0000	2-20038/1593	01/24/77	10	219	4853N	06013W	15.8	147.3	GGGG		
2733-13595	00000/0000	2-20038/1594	01/24/77	10	219	4728N	06050W	16.8	146.7	GGGG		
2733-14002	00000/0000	2-20038/1595	01/24/77	60	219	4602N	06126W	17.8	146.0	GGGG		
2733-14004	00000/0000	2-20038/1602	01/24/77	90	219	4437N	06200W	18.8	145.3	GG		
2733-14011	00000/0000	2-20038/1596	01/24/77	80	219	4312N	06232W	19.7	144.6	GGGG		H
2733-14013	00000/0000	2-20038/1597	01/24/77	90	219	4146N	06303W	20.7	143.9	GGGG		H
2733-14020	00000/0000	2-20038/1598	01/24/77	80	219	4021N	06333W	21.7	143.3	GGFG		H
2733-14022	00000/0000	2-20038/1599	01/24/77	70	219	3855N	06402W	22.7	142.6	GGGG		H
2733-14025	00000/0000	2-20038/1600	01/24/77	80	219	3729N	06430W	23.6	141.9	GGGG		H
2733-15422	00000/0000	2-20038/1601	01/24/77	80	220	5017N	08525W	14.8	148.0	GGGG		
2733-17253	00000/0000	2-20038/1698	01/24/77	50	221	5018N	11113W	14.8	148.0	GGG		
2734-14030	00000/0000	2-20038/1668	01/25/77	30	233	5555N	05805W	10.9	150.9	FGGG		
2734-14033	00000/0000	2-20038/1669	01/25/77	10	233	5431N	05853W	11.9	150.1	GGGG		
2734-14035	00000/0000	2-20038/1670	01/25/77	40	233	5307N	05938W	12.9	149.3	GGGG		
2734-14042	00000/0000	2-20038/1671	01/25/77	30	233	5143N	06020W	14.0	148.6	GGGG		
2734-14044	00000/0000	2-20038/1672	01/25/77	50	233	5019N	06101W	15.0	147.9	GGGG		
2734-14051	00000/0000	2-20038/1673	01/25/77	50	233	4854N	06139W	16.0	147.2	GGGG		
2734-14053	00000/0000	2-20038/1674	01/25/77	90	233	4728N	06217W	17.0	146.5	GGGG		
2734-14060	00000/0000	2-20038/1675	01/25/77	70	233	4603N	06252W	18.0	145.8	GGGG		

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NBN-US  
FROM 01/01/77 TO 01/31/77

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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN RSL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN
2734-14062	00000/0000	2-2003R/1676	01/25/77	90	233	4438N 06326W	19.0	145.1	GGFG		
2734-14065	00000/0000	2-2003R/1677	01/25/77	70	233	4312N 06358W	19.9	144.4	GGGG		
2734-14071	00000/0000	2-2003R/1667	01/25/77	70	233	4147N 06430W	20.9	143.8	G GG		
2734-14074	00000/0000	2-2003R/1678	01/25/77	90	233	4021N 06500W	21.9	143.1	GGGG		
2734-14080	00000/0000	2-2003R/1679	01/25/77	90	233	3855N 06529W	22.8	142.4	GGGF		
2734-14083	00000/0000	2-2003R/1680	01/25/77	90	233	3729N 06557W	23.8	141.7	GGGG		
2735-14121	00000/0000	2-2003R/1704	01/26/77	80	247	4438N 06451W	19.2	145.0	FG		
2735-14123	00000/0000	2-2003R/1699	01/26/77	90	247	4312N 06524W	20.1	144.3	FGGG		H
2735-14130	00000/0000	2-2003R/1700	01/26/77	90	247	4147N 06555W	21.1	143.6	GGGG		H
2735-14132	00000/0000	2-2003R/1701	01/26/77	80	247	4021N 06625W	22.1	142.9	GGGG		H
2735-14135	00000/0000	2-2003R/1702	01/26/77	80	247	3855N 06654W	23.0	142.2	GGGG		H
2735-14141	00000/0000	2-2003R/1703	01/26/77	90	247	3729N 06723W	24.0	141.5	GGGG		H
2736-14163	00000/0000	2-2003R/1705	01/27/77	40	261	4854N 06432W	16.4	146.9	FGGG		
2736-14184	00000/0000	2-2003R/1706	01/27/77	90	261	4147N 06722W	21.3	143.4	GGGF		
2736-14190	00000/0000	2-2003R/1707	01/27/77	90	261	4020N 06753W	22.3	142.7	FGGG		
2736-14193	00000/0000	2-2003R/1708	01/27/77	70	261	3855N 06822W	23.2	142.0	GGGG		
2736-15592	00000/0000	2-2003R/1709	01/27/77	10	262	5018N 08946W	15.4	147.6	GGGG		

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



**LANDSAT 2**  
**COORDINATE LISTING**

18123 FEB 17, 1977

 LANDSAT-2  
 COORDINATE LISTING  
 FOR NON-US  
 FROM 01/01/77 TO 01/31/77

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PRINCIPAL PT. OF IMAGE				OBSERVATION ID	CC %	QUALITY RBV MSS	PRINCIPAL PT. OF IMAGE				OBSERVATION ID	CC %	QUALITY RBV MSS	PRINCIPAL PT. OF IMAGE				OBSERVATION ID	CC %	QUALITY RBV MSS	
LONG	LAT						LONG	LAT						LONG	LAT						
14318E	3558S	2718-23181	50	GGGG	12345678		11913E	3314N	2712-01444	30	GGG			11656E	3022N	2713-01512	100	GGGG			
14237E	4315N	2716-00212	50	GGGG			11911E	3312N	2730-01440	80	GGGG			11654E	3018N	2731-01504	80	GGGG			
14151E	3557S	2719-23235	10	GGGG			11906E	3732N	2713-01491	10	GGGG			11648E	2437N	2712-01471	80	GGGG			
13755E	3434S	2704-23411	60	GGGG			11903E	3730N	2731-01483	40	GGGG			11646E	2435N	2730-01463	60	GGGG			
13659E	3306S	2705-23463	10	GGGG			11900E	2730N	2711-01404	100	GGGG			11645E	3439N	2714-01554	0	GGG			
13532E	3306S	2706-23521	10	G			11859E	2727N	2729-01400	90	GGGG			11643E	3857N	2715-02001	20	GGGG			
12323E	3730N	2728-01313	30	GGGG			11854E	0840S	2705-01170	20	GGGG			11643E	3437N	2732-01550	70	GGGG			
12159E	3734N	2711-01375	60	GGG			11847E	3148N	2712-01451	80	GGGG			11639E	3855N	2733-01593	80	GGGG			
12156E	3730N	2729-01371	40	GGGG			11845E	3146N	2730-01443	100	GGGG			11631E	2856N	2713-01514	100	GF F			
12137E	3146N	2728-01331	100	GGGG			11839E	3606N	2713-01494	0	GGGG			11630E	2852N	2731-01510	90	GGGG			
12137E	3145N	2710-01335	100	GGG			11837E	4023N	2714-01540	0	GGGG			11626E	2311N	2712-01474	70	GGGG			
12131E	3607N	2711-01381	50	GGGG			11836E	3604N	2731-01490	80	GGGG			11623E	2308N	2730-01470	70	GGGG			
12129E	3604N	2729-01373	60	GGGG			11836E	2604N	2711-01411	100	GGGG			11619E	3313N	2714-01561	10	GGGG			
12113E	3019N	2710-01341	100	GGGG			11835E	2601N	2729-01403	90	GGGG			11617E	3312N	2732-01553	10	GGG			
12112E	3020N	2728-01333	90	GGGG			11835E	4021N	2732-01532	10	GGGG			11616E	4148N	2716-02050	0	GGGG			
12104E	3441N	2711-01384	90	GGGG			11834E	1007S	2705-01172	20	GGGG			11614E	3732N	2715-02004	30	GGGG			
12102E	3438N	2729-01380	70	GGGG			11822E	3022N	2712-01453	100	GGGG			11611E	3729N	2733-02000	90	GGGG			
12049E	2853N	2710-01344	100	G GF			11820E	3020N	2730-01445	100	GGGG			11608E	2729N	2713-01521	100	GGGG			
12048E	2853N	2728-01340	100	GGGG			11813E	2438N	2711-01413	100	GGGG			11606E	2726N	2731-01513	100	GGGG			
12038E	3315N	2711-01390	100	GGGG			11813E	2435N	2729-01405	50	GGGG			11554E	3148N	2714-01563	40	GGGG			
12036E	3312N	2729-01382	100	GGGG			11810E	3438N	2731-01492	70	GGGG			11551E	3146N	2732-01555	10	GGGG			
12031E	3730N	2730-01425	10	GGGG			11808E	3858N	2714-01543	0	GGGG			11547E	3606N	2715-02010	0	GGGG			
12025E	2727N	2710-01350	100	GGGG			11806E	3856N	2732-01535	10	GGGG			11545E	4023N	2716-02053	0	GGG			
12024E	2727N	2728-01342	100	GGGG			11756E	2853N	2730-01452	100	GGGG			11545E	2603N	2713-01523	100	GGG			
12013E	3149N	2711-01393	100	GGGG			11746E	3313N	2713-01503	50	GGGG			11544E	3603N	2733-02002	90	GGGG			
12011E	3146N	2729-01385	90	GGGG			11744E	3311N	2731-01495	70	GGGG			11543E	2600N	2731-01515	100	GGGG			
12006E	3606N	2712-01435	10	GGGG			11739E	3731N	2714-01545	0	GGGG			11529E	3022N	2714-01570	10	GGGG			
12003E	3604N	2730-01431	10	GGGG			11737E	3730N	2732-01541	10	GGGG			11526E	3020N	2732-01562	50	GGGG			
11948E	3023N	2711-01395	100	GGGG			11732E	2727N	2730-01454	90	GGGG			11522E	2437N	2713-01530	100	GGGG			
11946E	3019N	2729-01391	90	GGGG			11721E	3148N	2713-01505	90	GGGG			11519E	3440N	2715-02013	0	GGG			
11937E	3438N	2730-01434	20	GGGG			11719E	3145N	2731-01501	80	GGGG			11517E	3437N	2733-02005	90	GGGG			
11935E	3857N	2713-01485	10	GGGG			11712E	4023N	2715-01595	10	GGGG			11516E	3857N	2716-02055	0	GGGG			
11932E	3856N	2731-01481	20	GGGG			11712E	3605N	2714-01552	0	GGGG			11504E	2856N	2714-01572	10	GGGG			
11923E	2856N	2711-01402	100	GGGG			11710E	3603N	2732-01544	50	GGG			11502E	2853N	2732-01564	80	GGGG			
11922E	2853N	2729-01394	90	GGGG			11709E	4021N	2733-01591	80	GGGG			11459E	2310N	2713-01532	100	GGGG			
11914E	0713S	2705-01163	10	GGGG			11709E	2601N	2730-01461	80	GGGG			11453E	3314N	2715-02015	10	GGGG			

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G = GOOD. P = POOR. F = FAIR.

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FOR NON-US  
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PRINCIPAL PT. OF IMAGE				OBSERVATION ID	CC %	QUALITY RBV MSS	PRINCIPAL PT. OF IMAGE				OBSERVATION ID	CC %	QUALITY RBV MSS	PRINCIPAL PT. OF IMAGE				OBSERVATION ID	CC %	QUALITY RBV MSS
LONG	LAT						LONG	LAT						LONG	LAT					
11452E	3311N	2733-02011	40	FFFF	12345678		11212E	2854N	2716-02085	80	GGGG			10754E	2855N	2719-02255	20	GGGG		
11450E	4149N	2717-02104	100	GGFF			11207E	2310N	2715-02045	100	GGGG			10747E	2308N	2718-02215	90	GGGG		
11447E	3731N	2716-02062	0	GGGG			11204E	2308N	2733-02041	20	GFGG			10742E	3314N	2720-02302	90	GGGG		
11441E	2729N	2714-01575	60	GGGG			11202E	3313N	2717-02131	70	GGGG			10730E	2728N	2719-02262	20	GGGG		
11439E	2726N	2732-01571	90	GGGG			11155E	3731N	2718-02174	20	GGGG			10716E	3147N	2720-02305	100	GGGG		
11428E	3148N	2715-02022	20	GFGG			11148E	2728N	2716-02091	70	GGGG			10707E	2602N	2719-02264	20	GGGG		
11426E	3145N	2733-02014	30	FGGG			11145E	2144N	2715-02051	90	GGGG			10651E	3021N	2720-02311	100	GGGG		
11420E	4023N	2717-02111	90	GGGG			11142E	2141N	2733-02043	40	GGGG			10642E	3439N	2721-02354	10	G		
11419E	3605N	2716-02064	10	GGGG			11137E	3147N	2717-02134	30	GGGG			10638E	3857N	2722-02400	10	F		
11418E	2603N	2714-01581	70	GGGG			11127E	4023N	2719-02223	50	GGGG			10627E	2854N	2720-02314	100	GGGG		
11416E	2559N	2732-01573	70	GGGG			11127E	3605N	2718-02181	0	GGGG			10616E	3313N	2721-02360	90	GGGG		
11403E	3022N	2715-02024	50	GGGG			11125E	2602N	2716-02094	90	GGGG			10611E	3730N	2704-02411	10	GGGG		
11401E	3019N	2733-02020	10	GGGG			11112E	3021N	2717-02140	10	FGGF			10610E	3732N	2722-02403	60	GGGG		
11355E	2437N	2714-01584	70	GGGG			11102E	2437N	2716-02100	90	GGGG			10603E	2728N	2720-02320	100	GGG		
11353E	2432N	2732-01580	50	GGGG			11101E	3439N	2718-02183	50	GGGG			10551E	3147N	2721-02363	60	GGGG		
11352E	3440N	2716-02071	90	GGGG			11057E	3858N	2719-02230	30	GGGG			10543E	3606N	2722-02405	70	GGGG		
11351E	3857N	2717-02113	100	GGGG			11047E	2855N	2717-02143	0	GGGG			10543E	3604N	2704-02414	70	GGGG		
11339E	2855N	2715-02031	100	GGGG			11040E	2310N	2716-02103	100	GGGG			10540E	2602N	2720-02323	100	GGGG		
11337E	2853N	2733-02023	30	GGGG			11034E	3313N	2718-02190	80	GFGG			10526E	3021N	2721-02365	100	GGGG		
11333E	2310N	2714-01590	30	GGGG			11029E	3732N	2719-02232	80	GGGG			10516E	3440N	2722-02412	80	GGGG		
11331E	2306N	2732-01582	10	GGGG			11023E	2729N	2717-02145	10	GGGG			10516E	3438N	2704-02420	80	GGGG		
11326E	3313N	2716-02073	90	GGGG			11018E	2142N	2716-02105	100	GGGG			10502E	2855N	2721-02372	100	GGGG		
11323E	4148N	2718-02163	70	GGG			11001E	3606N	2719-02235	30	GGGG			10450E	3314N	2722-02414	80	GGGG		
11323E	3731N	2717-02120	100	GFGG			11000E	2602N	2717-02152	30	GGGG			10450E	3312N	2704-02423	70	GGGG		
11315E	2729N	2715-02033	90	GGGG			10956E	2016N	2716-02112	100	GGGG			10445E	3732N	2705-02465	0	GGFG		
11313E	2726N	2733-02025	40	GGGG			10936E	2435N	2717-02154	70	GGGG			10445E	3732N	2723-02461	10	GGGG		
11301E	3147N	2716-02080	100	GGGG			10935E	3440N	2719-02241	20	GGGG			10438E	2729N	2721-02374	100	GGGG		
11255E	3605N	2717-02122	90	GGGF			10913E	2310N	2717-02161	100	GGGG			10425E	3146N	2704-02425	80	GGGG		
11253E	4023N	2718-02165	40	FGGG			10908E	3314N	2719-02244	70	GGGG			10424E	3148N	2722-02421	80	GGGG		
11252E	2602N	2715-02040	90	GGGG			10855E	2728N	2718-02204	90	GGGG			10414E	2602N	2721-02381	100	GGGG		
11249E	2600N	2733-02032	40	GGGG			10851E	2144N	2717-02163	100	GGFG			10400E	3020N	2704-02432	90	GGGG		
11236E	3021N	2716-02082	90	GFGG			10843E	3148N	2719-02250	70	GGGG			10359E	3021N	2722-02423	90	GGGG		
11229E	2436N	2715-02042	90	GGGG			10832E	2602N	2718-02210	90	GFGG			10351E	2436N	2721-02383	90	GGGG		
11228E	3439N	2717-02125	90	GGGG			10818E	3022N	2719-02253	30	GGGG			10336E	2854N	2704-02434	90	GGGG		
11227E	2434N	2733-02034	10	GGGG			10809E	2435N	2718-02213	90	G GG			10335E	2855N	2722-02430	90	GGGG		
11224E	3857N	2718-02172	30	GGGG			10808E	3440N	2720-02300	10	GGGG			10329E	2310N	2721-02390	40	GGGG		

KEYS: CLOUD COVER % ..... 0 TO 100 % CLOUD COVER.  
IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G = GOOD. P = POOR. F = FAIR.

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PAGE 0072

PRINCIPAL PT. OF IMAGE	OBSERVATION ID	CC %	QUALITY RBV MSS	PRINCIPAL PT. OF IMAGE	OBSERVATION ID	CC %	QUALITY RBV MSS	PRINCIPAL PT. OF IMAGE	OBSERVATION ID	CC %	QUALITY RBV MSS
LONG LAT			12345678	LONG LAT			12345678	LONG LAT			12345678
10319E 3731N	2724-02515	0	GGGG	09816E 3021N	2708-03060	10	GGGG	09531E 4727N	2696-03360	90	FGGG
10318E 3733N	2706-02524	0	GGGG	09808E 4315N	2711-03192	0	FGGG	09525E 3022N	2710-03173	10	GGGG
10312E 2728N	2704-02441	70	GGGG	09806E 3438N	2727-03095	0	GGGG	09517E 4313N	2713-03305	10	FF
10311E 2729N	2722-02432	90	GGGG	09805E 3858N	2710-03150	70	GGGG	09516E 4312N	2695-03313	10	GGGG
10259E 3149N	2705-02483	20	FGFG	09805E 1851N	2706-02580	40	GGGG	09515E 2435N	2727-03124	20	FGGG
10258E 3148N	2723-02475	10	GGGG	09751E 2855N	2708-03063	30	GGGG	09514E 3440N	2711-03215	0	GGGG
10251E 3607N	2706-02530	10	GGGG	09749E 4604N	2712-03242	0	GGGG	09512E 3857N	2712-03262	20	FGGG
10251E 3606N	2724-02522	10	GGGG	09744E 1725N	2706-02583	40	GGGG	09501E 2857N	2710-03175	10	GGGG
10249E 2601N	2704-02443	20	GGGG	09740E 3312N	2727-03101	10	GGGG	09457E 4604N	2714-03354	0	FGGG
10248E 2602N	2722-02435	70	GGGG	09736E 4149N	2711-03195	30	FGGG	09456E 4602N	2696-03362	60	FFGG
10225E 2436N	2722-02441	70	GGGG	09736E 3733N	2710-03152	60	GGGG	09452E 2308N	2727-03131	10	FGGF
10225E 2435N	2704-02450	20	GGGG	09727E 2729N	2708-03065	40	GGGG	09448E 3313N	2711-03222	10	GGGG
10222E 3857N	2707-02575	10	GGGG	09722E 1558N	2706-02585	40	GGGG	09445E 4148N	2713-03311	0	FFG
10221E 3857N	2725-02571	40	GGGG	09715E 4439N	2712-03244	0	FGGF	09445E 4147N	2695-03320	10	GGGG
10154E 3732N	2707-02582	10	FGGG	09715E 3146N	2727-03104	10	GGGG	09443E 4852N	2697-03412	80	GGFF
10153E 3731N	2725-02574	30	GGGG	09709E 3607N	2710-03155	30	FGGG	09443E 3731N	2712-03265	40	GGFG
10055E 3857N	2708-03033	0	FGGG	09706E 4024N	2711-03201	90	GGGG	09442E 4854N	2715-03403	70	FF
10028E 4147N	2709-03083	50	FFGF	09703E 2602N	2708-03072	30	FGGG	09437E 2730N	2710-03182	10	GGGG
10026E 3731N	2708-03040	0	FGGG	09659E 4727N	2695-03302	10	GGFG	09430E 2142N	2727-03133	10	GGGF
09958E 4022N	2727-03081	30	FFGG	09650E 3020N	2727-03110	10	GGGG	09423E 4439N	2714-03360	10	FGG
09958E 3605N	2708-03042	10	FGGG	09642E 4314N	2712-03251	0	GGGF	09423E 3147N	2711-03224	10	GGGG
09957E 2604N	2706-02560	0	GGGG	09642E 3441N	2710-03161	30	GGGG	09422E 4436N	2696-03365	20	FGGG
09956E 2602N	2724-02551	10	GGGG	09640E 2436N	2708-03074	20	GGGG	09416E 3606N	2712-03271	80	GGGG
09936E 4315N	2710-03134	40	GGGF	09637E 3858N	2711-03204	70	GGGG	09415E 4022N	2713-03314	30	FF
09933E 1853N	2705-02522	10	GGGG	09626E 2854N	2727-03113	20	GGGG	09415E 4021N	2695-03322	10	FFGF
09932E 3439N	2708-03045	30	FFGG	09623E 4602N	2695-03304	10	GGFG	09413E 2604N	2710-03184	10	GGGG
09930E 3856N	2727-03083	50	GGGG	09616E 3314N	2710-03164	40	GGGG	09409E 2015N	2727-03140	0	GGFG
09911E 1726N	2705-02524	40	GGGG	09611E 4148N	2712-03253	20	GGGG	09406E 4729N	2715-03410	100	FFGG
09906E 3313N	2708-03051	70	FGGG	09609E 3732N	2711-03210	40	PGFG	09406E 4727N	2697-03414	70	GGGG
09904E 4149N	2710-03141	30	FGGG	09602E 2727N	2727-03115	40	GGGG	09358E 3021N	2711-03231	0	GGGG
09901E 3731N	2727-03090	10	FGGG	09556E 2142N	2708-03083	10	FFGG	09350E 4314N	2714-03363	20	GGFG
09850E 1559N	2705-02531	40	GGGG	09550E 3148N	2710-03170	10	GGGG	09350E 2438N	2710-03191	10	GGGG
09841E 3147N	2708-03054	60	GGGG	09549E 4437N	2695-03311	0	GGGG	09349E 4311N	2696-03371	20	FGGG
09840E 4440N	2711-03190	10	F	09541E 4023N	2712-03260	30	FGGG	09349E 3440N	2712-03274	70	GGGG
09834E 4024N	2710-03143	40	FGGG	09541E 3606N	2711-03213	10	FGFG	09346E 3857N	2713-03320	30	FGFG
09834E 3605N	2727-03092	0	GGGG	09538E 2601N	2727-03122	30	FGGG	09346E 3856N	2695-03325	20	FGGG

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G = GOOD. P = POOR. F = FAIR.

18:23 FEB 17, 77

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COORDINATE LISTING  
FOR NON-US  
FROM 01/01/77 TO 01/31/77

PAGE 0073

PRINCIPAL PT. OF IMAGE	OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	PRINCIPAL PT. OF IMAGE	OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	PRINCIPAL PT. OF IMAGE	OBSERVATION ID	CC %	QUALITY RBV MSS 12345678
LONG LAT				LONG LAT				LONG LAT			
09334E 2855N	2711-03233	10	G G G G	09152E 4854N	2717-03520	10	F G G F	09019E 5145N	2719-04023	10	F G G G
09331E 4604N	2715-03412	80	F G G G	09152E 4148N	2715-03424	90	P G G G	09019E 2729N	2695-03361	10	G F G G
09331E 4601N	2697-03421	60	G G G G	09152E 3731N	2714-03381	10	F G G G	09018E 2729N	2713-03352	0	P G G P
09328E 2311N	2710-03193	10	G G G G	09151E 3729N	2696-03385	80	F G G G	09014E 2142N	2712-03312	0	G G F F
09323E 3313N	2712-03280	80	G G G F	09144E 2728N	2712-03294	10	F G G G	09006E 4439N	2717-03531	0	F G G G
09319E 4148N	2714-03365	0	G G G G	09138E 2143N	2711-03254	10	F G F F	09005E 3147N	2714-03395	40	G G G G
09318E 4145N	2696-03374	10	F G G G	09133E 3146N	2695-03345	0	G G G G	09005E 3145N	2696-03403	10	F G G G
09318E 3731N	2713-03323	30	G G P	09132E 3147N	2713-03341	30	P P	08958E 3603N	2697-03450	0	G G G G
09318E 3730N	2695-03331	20	F G G G	09130E 4439N	2716-03473	90	F G G G	08957E 4022N	2716-03484	90	F G F F
09310E 2730N	2711-03240	10	G G G G	09123E 4019N	2697-03435	0	F G G G	08956E 3605N	2715-03442	70	G G G G
09306E 2144N	2710-03200	10	G G G G	09123E 3604N	2714-03383	30	G G G G	08955E 2603N	2713-03355	0	P P P P
09257E 4439N	2715-03415	80	G G G	09123E 3603N	2696-03392	60	G G G G	08955E 2602N	2695-03363	10	G G G G
09257E 4436N	2697-03423	60	F F G F	09122E 4022N	2715-03430	90	F G G F	08952E 2015N	2712-03315	10	F F G F
09257E 3147N	2712-03283	90	G G G G	09121E 2602N	2712-03301	10	G G G G	08950E 4730N	2718-03580	10	F G G G
09251E 3604N	2695-03334	10	G G G G	09116E 2016N	2711-03260	10	G G G F	08940E 3022N	2714-03401	20	G G G G
09250E 3605N	2713-03325	50	F F F P	09115E 4730N	2717-03522	10	G G G G	08940E 3019N	2696-03410	0	G G G G
09249E 4022N	2714-03372	10	G G G G	09108E 3021N	2695-03352	0	G G G G	08938E 5020N	2719-04025	10	G G G G
09248E 4020N	2696-03380	0	G G G	09107E 3021N	2713-03343	10	F G G G	08932E 4313N	2717-03534	10	G G G G
09246E 2604N	2711-03242	10	G G G G	09059E 4313N	2716-03475	90	F F G G	08932E 2436N	2695-03370	10	F F G G
09244E 2017N	2710-03202	20	G G G G	09058E 2436N	2712-03303	10	G G G G	08931E 3437N	2697-03453	0	G G G G
09232E 3021N	2712-03285	80	G G G G	09057E 3439N	2714-03390	20	F G G G	08930E 3439N	2715-03444	60	G G G G
09231E 5020N	2717-03513	10	G G G F	09057E 3437N	2696-03394	40	G G G F	08930E 1849N	2712-03321	0	G G F F
09225E 3438N	2695-03340	10	F G G G	09055E 1850N	2711-03263	40	F G G F	08928E 3856N	2716-03491	90	G F G G
09224E 4313N	2715-03421	70	P F G G	09054E 3854N	2697-03441	0	F G G G	08916E 2855N	2714-03404	10	G G G G
09224E 4310N	2697-03430	30	F F F G	09052E 3856N	2715-03433	70	F G G G	08915E 4605N	2718-03583	10	G G G G
09223E 3439N	2713-03332	60	P P P P	09044E 2855N	2695-03354	0	G G G G	08915E 2853N	2696-03412	0	G G G G
09223E 2437N	2711-03245	0	G G G G	09042E 2855N	2713-03350	10	F G G G	08910E 2309N	2713-03364	0	F F F G
09223E 1850N	2710-03205	60	G F G G	09040E 4604N	2717-03525	0	G G G G	08909E 2310N	2695-03372	30	G G G
09220E 3857N	2714-03374	10	F G G G	09035E 2309N	2712-03310	0	G F G G	08908E 1723N	2712-03324	10	F G G F
09219E 3854N	2696-03383	10	F G G G	09034E 1724N	2711-03265	50	G G G F	08905E 3311N	2697-03455	0	G G G G
09208E 2855N	2712-03292	40	G G G G	09030E 3313N	2714-03392	30	G G G G	08904E 3313N	2715-03451	40	G G G G
09204E 4604N	2716-03470	70	F F G G	09030E 3311N	2696-03401	20	G G G G	08900E 4148N	2717-03540	10	G G G G
09200E 2310N	2711-03251	10	F G F F	09027E 4855N	2718-03574	10	F G G G	08900E 3730N	2716-03493	20	G G G G
09159E 3312N	2695-03343	0	G G G G	09027E 4148N	2716-03482	80	F F G G	08859E 4855N	2719-04032	0	G G G G
09157E 3313N	2713-03334	40	F G G G	09026E 3729N	2697-03444	10	G G G G	08852E 2729N	2714-03410	10	G G G G
09153E 4145N	2697-03432	80	F F G F	09024E 3731N	2715-03435	40	G G G G	08852E 2727N	2696-03415	10	G G G G

KEYS: CLOUD COVER % ..... 0 TO 100 \* % CLOUD COVER.  
IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G = GOOD. P = POOR. F = FAIR.



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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/01/77 TO 01/31/77

PAGE 0074

PRINCIPAL PT. OF IMAGE	LONG	LAT	OBSERVATION ID	CC %	QUALITY RBV MSS	PRINCIPAL PT. OF IMAGE	LONG	LAT	OBSERVATION ID	CC %	QUALITY RBV MSS	PRINCIPAL PT. OF IMAGE	LONG	LAT	OBSERVATION ID	CC %	QUALITY RBV MSS
08851E	5145N	2720-04081	0	GGGG	12345678	08725E	2727N	2715-03465	10	GGGG	12345678	08607E	4855N	2721-04144	30	GGGG	12345678
08848E	2142N	2713-03370	0	PPG		08722E	1556N	2713-03384	40	GGGG		08607E	4852N	2705-04153	0	GGGG	
08847E	2143N	2695-03375	40	G GG		08721E	2142N	2696-03433	40	GGGG		08607E	3731N	2718-04010	80	GGGG	
08847E	1556N	2712-03330	30	GGGG		08721E	2142N	2714-03424	0	GGGG		08603E	5434N	2723-04243	40	GGGG	
08840E	4439N	2718-03585	10	GGGG		08714E	4440N	2719-04043	20	GGGG		08600E	5145N	2722-04194	10	GG G	
08839E	3145N	2697-03462	0	GGGG		08713E	3146N	2716-03511	10	GGGG		08600E	5141N	2704-04202	0	FFGG	
08838E	3147N	2715-03453	20	GGGG		08705E	4023N	2718-04001	0	GGGG		08559E	2727N	2716-03523	10	GGGG	
08832E	3604N	2716-03500	10	GGGG		08705E	3605N	2717-03554	60	GGGG		08556E	2141N	2697-03491	0	GGFF	
08830E	4022N	2717-03543	10	GGGG		08703E	2600N	2697-03480	0	GGGG		08555E	2141N	2715-03483	0	GGGG	
08829E	2602N	2714-03413	10	GGGG		08702E	2601N	2715-03471	0	GGGG		08555E	1556N	2714-03442	30	GGGG	
08828E	2601N	2696-03421	30	GGGG		08701E	1430N	2713-03391	30	GGGG		08555E	1555N	2696-03451	30	GGGG	
08826E	2016N	2713-03373	0	GGGG		08700E	1430N	2695-03395	80	GGGG		08547E	4437N	2702-04110	0	GGG	
08825E	2016N	2695-03381	40	GGG		08659E	2016N	2696-03435	30	GGGG		08546E	4439N	2720-04102	70	GGGG	
08822E	4729N	2719-04034	0	GGGG		08659E	2015N	2714-03431	10	GGGG		08546E	3146N	2717-03570	0	GGGG	
08814E	3019N	2697-03464	0	GGGG		08648E	3020N	2716-03514	10	GGGG		08539E	4023N	2719-04055	70	GGGG	
08813E	3020N	2715-03460	10	GGGG		08646E	5020N	2721-04142	10	GGGG		08539E	3605N	2718-04012	70	GGGG	
08811E	5020N	2720-04084	0	GGGG		08646E	5018N	2703-04150	0	GGGG		08536E	2601N	2716-03525	0	FFFF	
08807E	4314N	2718-03592	20	GGGG		08644E	5310N	2722-04191	10	GG G		08534E	2014N	2697-03494	0	GGGG	
08806E	2435N	2696-03424	70	GGGG		08643E	5306N	2704-04195	0	GG G		08534E	1430N	2714-03445	40	GGGG	
08806E	2435N	2714-03415	0	GGGG		08642E	4315N	2719-04050	40	GGGG		08534E	1428N	2696-03453	60	GGGG	
08805E	3438N	2716-03502	10	GGGG		08640E	2433N	2697-03482	0	GGGG		08533E	2015N	2715-03485	0	GGGG	
08804E	1850N	2713-03375	0	GGGG		08639E	2434N	2715-03474	0	GGGG		08530E	4730N	2721-04151	20	GGGG	
08800E	3856N	2717-03545	0	GGGG		08638E	3439N	2717-03561	20	GGGG		08521E	3020N	2717-03572	0	GGGG	
08750E	2852N	2697-03471	0	GGGG		08638E	1849N	2696-03442	70	GGGG		08520E	5309N	2705-04253	0	GGGG	
08749E	2854N	2715-03462	10	GGGG		08638E	1848N	2714-03433	10	GGGG		08520E	5016N	2704-04204	10	GGGG	
08747E	4605N	2719-04041	10	GGGG		08635E	3856N	2718-04003	30	GGGG		08517E	5309N	2723-04245	10	GGGG	
08744E	2309N	2714-03422	0	GGGG		08623E	2853N	2716-03520	0	GGGG		08514E	4314N	2720-04104	80	GGGG	
08744E	2308N	2696-03430	60	GGGG		08621E	4602N	2702-04103	0	GGGG		08514E	4312N	2702-04112	0	GGGG	
08743E	1723N	2713-03382	10	GGGG		08620E	4605N	2720-04095	40	GGGG		08513E	2435N	2716-03532	0	GGGG	
08739E	3312N	2716-03505	10	GGGG		08618E	2307N	2697-03485	0	GGGG		08513E	1848N	2697-03500	10	GGGG	
08735E	4148N	2718-03594	10	GGGG		08617E	2308N	2715-03480	0	GGGG		08512E	3438N	2718-04015	10	GGGG	
08732E	4854N	2720-04090	0	GGGG		08616E	1722N	2696-03444	50	GGGG		08511E	1849N	2715-03492	0	GGGG	
08732E	3731N	2717-03552	40	GGGG		08616E	1722N	2714-03440	10	GGGG		08509E	3857N	2719-04061	60	GGGG	
08727E	5145N	2721-04135	70	GGGG		08612E	3313N	2717-03563	10	GGGG		08457E	2854N	2717-03575	0	GGGG	
08726E	5142N	2703-04144	0	GGGG		08610E	4149N	2719-04052	70	GGGG		08455E	4605N	2721-04153	60	GGGG	
08726E	2726N	2697-03473	0	GGGG													

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G = GOOD. P = POOR. F = FAIR.

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/01/77 TO 01/31/77

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PRINCIPAL PT. OF IMAGE	OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	PRINCIPAL PT. OF IMAGE	OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	PRINCIPAL PT. OF IMAGE	OBSERVATION ID	CC %	QUALITY RBV MSS 12345678
LONG LAT				LONG LAT				LONG LAT			
08455E 4602N	2703-04162	10	FFFF	08345E 1848N	2716-03550	10	GGGG	08216E 3857N	2721-04174	70	FGGG
08451E 1721N	2697-03503	40	GGGF	08343E 3857N	2720-04120	90	GFGF	08206E 2854N	2719-04091	30	GGGG
08450E 2308N	2716-03534	0	GGGG	08343E 3855N	2702-04124	90	GGGG	08204E 4605N	2705-04274	10	FGGF
08449E 1723N	2715-03494	10	GGGG	08332E 2853N	2718-04033	10	GGGG	08201E 4605N	2723-04270	0	GGGG
08446E 3312N	2718-04021	10	GGGG	08329E 4602N	2704-04220	0	FFFG	08159F 2308N	2718-04051	0	FPPP
08443E 4149N	2720-04111	90	GGGG	08328E 4605N	2722-04212	20	GGGG	08157E 1722N	2717-04011	0	FGGG
08443E 4146N	2702-04115	10	GFGF	08324E 2308N	2717-03593	0	FGGG	08154E 3313N	2720-04134	90	PPGG
08442E 4851N	2704-04211	0	FFFG	08324E 1722N	2716-03552	10	GGGG	08154E 3311N	2702-04142	30	GGGG
08441E 4855N	2722-04203	20	GGGG	08320E 3313N	2719-04075	20	GGGG	08151E 4146N	2704-04231	40	FFFF
08441E 3731N	2719-04064	30	PPGG	08318E 4146N	2703-04173	0	FFFF	08150E 4149N	2722-04223	10	GGG
08438E 5145N	2705-04260	10	FGGF	08317E 4855N	2705-04265	0	GGGG	08149E 4855N	2706-04323	0	FPP
08434E 5145N	2723-04252	20	FFGG	08317E 4149N	2721-04165	40	FGGG	08149E 3730N	2703-04185	100	FFFF
08433E 2727N	2717-03581	20	GGGG	08315E 3729N	2702-04130	90	GGGG	08148E 3731N	2721-04180	90	GGGG
08430E 1554N	2697-03505	50	GGGG	08314E 4855N	2723-04261	40	GGGG	08143E 5144N	2707-04372	0	GGGG
08428E 2142N	2716-03541	0	GGGG	08314E 3731N	2720-04122	70	FFGF	08142E 2728N	2719-04093	10	FGGG
08428E 1556N	2715-03501	10	GFGG	08303E 1555N	2716-03555	20	GGGG	08137E 2142N	2718-04053	0	GGGG
08421E 4440N	2721-04160	90	GGGG	08302E 2141N	2717-03595	0	FGGG	08136E 1555N	2717-04013	10	GFGG
08421E 3146N	2718-04024	10	GFGF	08255E 3147N	2719-04082	50	FGGG	08129E 4440N	2705-04280	0	GFGG
08413E 4023N	2720-04113	80	FGGG	08254E 4440N	2722-04214	30	GGGG	08129E 3146N	2702-04144	30	GGGG
08413E 3605N	2719-04070	10	FGGG	08247E 4021N	2703-04180	60	FFFF	08128E 4440N	2723-04272	10	GGGG
08412E 4021N	2702-04121	70	GGGG	08247E 3605N	2720-04125	70	FGGF	08128E 3146N	2720-04140	60	GGGG
08410E 2601N	2717-03584	10	GFGF	08247E 3603N	2702-04133	80	GGGG	08122E 3604N	2703-04191	50	GFF
08409E 1427N	2697-03512	50	GFGF	08246E 4023N	2721-04171	50	FGGG	08121E 3605N	2721-04183	90	GGGG
08407E 1429N	2715-03503	20	GGGG	08245E 2601N	2718-04042	10	P	08120E 4023N	2722-04230	20	GGGG
08406E 2014N	2716-03543	0	GGGG	08242E 1428N	2716-03561	50	GGGG	08120E 4021N	2704-04234	100	FFFF
08405E 4727N	2704-04213	0	FFFG	08240E 2014N	2717-04002	0	GGGG	08119E 2601N	2719-04100	0	FGGG
08404E 4730N	2722-04205	20	GFG	08239E 4730N	2705-04271	0	GGGG	08115E 2015N	2718-04060	0	FPPP
08357E 5020N	2705-04262	10	GGGG	08237E 4730N	2723-04263	10	GGG	08115E 1427N	2717-04020	20	FGGG
08356E 3020N	2718-04030	0	GGGG	08230E 3020N	2719-04084	40	GGGG	08112E 4730N	2706-04330	0	GPPP
08353E 5020N	2723-04254	30	FGGG	08222E 4312N	2704-04225	0	FFFF	08104E 3020N	2702-04151	30	GFGG
08349E 4312N	2703-04171	0	FGGG	08222E 2434N	2718-04044	0	PPPP	08104E 3020N	2720-04143	70	GGGG
08348E 4315N	2721-04162	30	GGGG	08221E 4314N	2722-04221	10	GFGF	08102E 5019N	2707-04375	0	FGGG
08348E 1301N	2697-03514	60	GGGF	08221E 1302N	2716-03564	50	GFGG	08100E 5308N	2708-04424	10	FGGF
08347E 1302N	2715-03510	60	GGGG	08220E 3439N	2720-04131	100	PPGG	08057E 4314N	2705-04283	0	GFGG
08346E 3439N	2719-04073	30	GGGG	08218E 3855N	2703-04182	100	FFFF	08056E 2435N	2719-04102	0	FGGG
08346E 2435N	2717-03590	0	GFGG	08218E 1848N	2717-04004	10	GGGG	08055E 4314N	2723-04275	10	GGGG

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G = GOOD, P = POOR, F = FAIR.

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/01/77 TO 01/31/77

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PRINCIPAL PT. OF IMAGE	OBSERVATION ID	CC %	QUALITY RBV MSS	PRINCIPAL PT. OF IMAGE	OBSERVATION ID	CC %	QUALITY RBV MSS	PRINCIPAL PT. OF IMAGE	OBSERVATION ID	CC %	QUALITY RBV MSS
LONG LAT			12345678	LONG LAT			12345678	LONG LAT			12345678
08055E 3438N	2703-04194	40	FGFF	07933E 5308N	2709-04482	0	GGGF	07823E 2016N	2702-04180	10	GGGG
08055E 1300N	2717-04022	30	GGGG	07931E 5308N	2727-04474	10	PPPP	07822E 2015N	2720-04172	10	FPFG
08054E 3439N	2721-04185	50	GGGG	07930E 4314N	2706-04341	60	PPPP	07819E 4728N	2708-04442	20	FGGG
08053E 1848N	2718-04062	0	PPFG	07929E 2435N	2720-04161	20	GFFG	07811E 3020N	2704-04263	50	FFGF
08051E 3855N	2704-04240	100	FFFF	07928E 3438N	2704-04252	90	FGFF	07811E 3020N	2722-04255	0	GGGG
08050E 3857N	2722-04232	10	GGGG	07928E 2435N	2702-04165	0	GGGG	07809E 5018N	2709-04491	10	FGFP
08039E 2854N	2702-04153	10	FGGG	07927E 3439N	2722-04244	0	GGGG	07808E 5019N	2727-04483	0	PPPP
08039E 2854N	2720-04145	30	GGGG	07927E 1849N	2719-04120	0	FFFG	07807E 5309N	2710-04540	10	P F
08037E 4605N	2706-04332	10	GFPP	07925E 3858N	2705-04294	50	FGGG	07805E 4314N	2707-04395	50	G GG
08033E 2309N	2719-04105	0	FGGG	07924E 3857N	2723-04290	60	FF G	07803E 2436N	2703-04223	0	FFFF
08032E 1721N	2718-04065	10	FGFG	07915E 2855N	2703-04212	0	FFFF	07803E 2435N	2721-04215	20	GGFG
08029E 3312N	2703-04200	40	FFFF	07913E 2855N	2721-04203	20	FGGG	07803E 1303N	2719-04134	0	FGGG
08028E 3313N	2721-04192	50	GGGG	07911E 4604N	2702-04390	40	GGGG	07802E 3441N	2705-04310	60	FGGG
08025E 4149N	2705-04285	10	GGGG	07906E 2309N	2702-04171	0	GGGG	07802E 3439N	2723-04302	90	GGGG
08024E 4854N	2707-04381	10	FGGG	07906E 2309N	2720-04163	30	GGGG	07800E 1848N	2720-04175	0	F GG
08024E 4149N	2723-04281	30	GGGG	07906E 1722N	2719-04123	0	FGGG	07747E 2854N	2704-04270	20	FFFF
08022E 3731N	2722-04235	0	GGGG	07901E 3313N	2722-04250	0	GGGG	07746E 2854N	2722-04262	10	GGGG
08022E 3729N	2704-04243	100	FFFF	07901E 3312N	2704-04254	90	FGFF	07744E 4603N	2708-04445	60	FGGG
08016E 5144N	2708-04431	0	FGGG	07857E 3733N	2705-04301	80	GGFG	07743E 1136N	2719-04141	0	GGGG
08016E 2729N	2702-04160	0	GGGG	07856E 4853N	2708-04440	10	GGGG	07740E 2310N	2703-04230	0	FFFF
08015E 2728N	2720-04152	10	FGGG	07856E 3731N	2723-04293	70	FG G	07740E 2309N	2721-04221	10	FGGG
08011E 2142N	2719-04111	0	GGGG	07850E 5143N	2709-04485	10	FGGF	07740E 1723N	2702-04185	10	GGGG
08004E 3147N	2703-04203	50	FFFF	07850E 2729N	2703-04214	10	FFFF	07739E 1722N	2720-04181	0	FGGG
08003E 4439N	2706-04335	20	FFFF	07850E 2728N	2721-04210	20	GGGG	07736E 3315N	2705-04312	10	FGGG
08003E 3147N	2721-04194	30	FGGG	07845E 1556N	2719-04125	0	FFGG	07736E 3313N	2723-04304	90	FGGG
07955E 4024N	2705-04292	10	FGFF	07844E 2142N	2702-04174	0	GGGG	07733E 4148N	2707-04402	40	GGGG
07955E 3603N	2704-04245	90	FFFF	07844E 2142N	2720-04170	10	FGGG	07730E 4853N	2709-04494	10	FGG
07954E 4023N	2723-04284	10	FFGF	07837E 4439N	2707-04393	60	GGGG	07730E 3732N	2706-04355	0	PPPP
07954E 3605N	2722-04241	0	GGGG	07836E 3147N	2722-04253	0	GGGG	07729E 4854N	2727-04490	0	PPPP
07952E 2602N	2702-04162	0	GGGG	07836E 3146N	2704-04261	90	FFGF	07725E 5144N	2710-04543	0	PPFF
07952E 2601N	2720-04154	10	GGGG	07829E 3607N	2705-04303	20	GGGG	07723E 2728N	2722-04264	10	GGGG
07949E 2016N	2719-04114	0	GGGF	07829E 3605N	2723-04295	90	GGGG	07722E 2728N	2704-04272	10	FFFF
07947E 4729N	2707-04384	30	FGGG	07828E 4023N	2706-04350	0	PPPP	07722E 1009N	2719-04143	10	GGGG
07939E 3021N	2703-04205	30	FFFG	07827E 2602N	2703-04221	0	FFFF	07718E 2143N	2703-04232	0	FFFF
07938E 3021N	2721-04201	30	GGGG	07826E 2602N	2721-04212	40	FGGG	07718E 2142N	2721-04224	10	GGGG
07935E 5018N	2708-04433	10	FGGG	07824E 1429N	2719-04132	0	GGGG	07718E 1556N	2702-04192	10	GGGG

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G = GOOD. P = POOR. F = FAIR.

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TRANSAT-2  
COORDINATE LISTING  
FOR N9N-JS  
FROM 01/01/77 TO 01/31/77

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PRINCIPAL PT. OF IMAGE	OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	PRINCIPAL PT. OF IMAGE	OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	PRINCIPAL PT. OF IMAGE	OBSERVATION ID	CC %	QUALITY RBV MSS 12345678
07718E 1556N	2720-04184	0	GGGG	07606E 4147N	2708-04460	40	FGGG	07449E 2309N	2723-04334	30	GGGG
07710E 4438N	2708-04451	90	GGFG	07605E 4855N	2710-04552	0	FFFF	07448E 2311N	2705-04342	0	FGGG
07710E 3149N	2705-04315	10	FGGG	07604E 3731N	2707-04413	10	GGGG	07447E 1722N	2722-04294	0	GGGG
07710E 3147N	2723-04311	90	GGGG	07558E 5145N	2711-05001	0	FGGG	07446E 1722N	2704-04302	10	FFFF
07702E 4023N	2707-04404	10	GGFG	07557E 2731N	2705-04330	0	FGGG	07444E 3314N	2707-04425	20	GGGG
07702E 3606N	2706-04362	30	PPPP	07557E 2728N	2723-04322	40	GG	07441E 4147N	2709-04514	80	GGFG
07659E 2602N	2704-04275	0	FFFF	07553E 1556N	2703-04250	0	FFFF	07440E 4855N	2711-05010	0	FGGG
07659E 2601N	2722-04271	10	GGGG	07553E 1556N	2721-04242	0	GGFG	07438E 4147N	2727-04510	70	GGFG
07658E 1429N	2720-04190	0	GGGG	07551E 2142N	2704-04290	0	FFFF	07438E 3730N	2708-04472	10	GGFG
07657E 2016N	2703-04235	10	FFFF	07551E 2142N	2722-04282	0	GGFG	07433E 5145N	2712-05055	0	FFFF
07657E 2015N	2721-04230	0	GGGG	07544E 4438N	2709-04505	20	GGFG	07431E 2730N	2706-04385	10	PGFG
07657E 1429N	2702-04194	0	GGG	07542E 4439N	2727-04501	70	GGFG	07426E 2144N	2705-04344	0	FFGG
07653E 4728N	2709-04500	0	FFG	07537E 3606N	2707-04420	30	GGGG	07426E 2142N	2723-04340	20	GGGG
07645E 3023N	2705-04321	0	GGGG	07536E 4022N	2708-04463	20	FGGG	07425E 1555N	2722-04300	0	FGFG
07645E 3021N	2723-04313	80	G G	07534E 2602N	2723-04325	20	GGG	07425E 1555N	2704-04304	10	FFFF
07640E 5310N	2711-04594	0	GGGG	07533E 2605N	2705-04333	10	GGGG	07419E 3147N	2707-04431	0	GGGG
07637E 4312N	2708-04454	80	GGGG	07532E 1429N	2703-04253	0	FGFG	07410E 4022N	2709-04521	60	GGFG
07637E 1303N	2702-04201	10	GGGG	07531E 1429N	2721-04244	0	GGGG	07410E 3605N	2708-04474	10	GGGG
07637E 1303N	2720-04193	0	GGGG	07530E 2016N	2704-04293	0	FFFF	07408E 4022N	2727-04513	50	GGFG
07636E 2435N	2704-04281	0	FFFF	07530E 2015N	2722-04285	10	FFGG	07405E 2018N	2705-04351	0	FFGG
07636E 2435N	2722-04273	10	GGGG	07519E 3022N	2706-04380	0	PPPP	07405E 1429N	2722-04303	10	GGFG
07636E 1850N	2703-04241	10	FFFF	07518E 5020N	2711-05003	0	GGGG	07405E 1428N	2704-04311	10	FFFF
07636E 1849N	2721-04233	0	GGGG	07516E 5309N	2712-05053	10	PPFG	07404E 4730N	2711-05012	10	GGGG
07635E 3440N	2706-04364	80	PPPP	07512E 4312N	2709-04512	70	GGFG	07404E 2016N	2723-04343	10	GGFG
07633E 3857N	2707-04411	30	GGGG	07512E 1303N	2703-04255	10	FFFG	07354E 3021N	2707-04434	20	GGFG
07621E 2857N	2705-04324	0	FFFG	07511E 2438N	2705-04335	10	GGGG	07352E 5019N	2712-05062	10	PPFG
07621E 2855N	2723-04320	70	G GG	07511E 2436N	2723-04331	10	GGG	07349E 5309N	2713-05111	0	PGFG
07618E 4603N	2709-04503	10	GGFG	07510E 4313N	2727-04504	60	GGFG	07346E 5307N	2695-05115	70	GGGG
07617E 1136N	2702-04203	10	GGGG	07510E 3440N	2707-04422	70	GGGG	07346E 4314N	2710-04570	90	FFFF
07616E 4604N	2727-04495	10	GGFG	07510E 1303N	2721-04251	10	FFGG	07344E 1302N	2704-04313	10	FFFF
07616E 1137N	2720-04195	10	PPGG	07508E 1849N	2704-04295	10	FFFF	07343E 3438N	2708-04481	10	GGGG
07614E 1723N	2703-04244	10	FFFG	07508E 1849N	2722-04291	0	FF F	07343E 1852N	2705-04353	0	FFFF
07614E 1723N	2721-04235	0	GGGG	07506E 3856N	2708-04465	10	GGGG	07343E 1849N	2723-04345	10	FFFF
07613E 2309N	2704-04284	0	FFFF	07454E 2856N	2706-04382	0	PPFG	07339E 3855N	2727-04515	60	GGFG
07613E 2308N	2722-04280	0	GGGG	07451E 1136N	2703-04262	20	FFFF	07330E 2855N	2707-04440	50	GGFG
07609E 3314N	2706-04371	70	PPPP	07450E 1137N	2721-04253	30	GGFG	07328E 4605N	2711-05015	40	GGGG

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G = GOOD. P = POOR. F = FAIR.



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PRINCIPAL PT. OF IMAGE	LONG	LAT	OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	PRINCIPAL PT. OF IMAGE	LONG	LAT	OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	PRINCIPAL PT. OF IMAGE	LONG	LAT	OBSERVATION ID	CC %	QUALITY RBV MSS 12345678
07322E	2310N	2706-04400	10	F	GGGG	07126E	4439N	2712-05080	90	GGGG	06950E	2600N	2727-04554	40	FFFF		
07322E	1724N	2705-04360	20	F		07126E	3146N	2727-04540	50	FFFF	06946E	2015N	2708-04522	0	GGGF		
07322E	1723N	2723-04352	10	GGGG		07119E	4023N	2711-05033	90	GGGG	06943E	4729N	2714-05183	80	GGGG		
07315E	4149N	2710-04572	80	F	GGGG	07119E	3606N	2710-04590	90	GGGG	06942E	4727N	2696-05191	50	GGFG		
07313E	4854N	2712-05064	10	FFFF		07116E	2601N	2708-04504	20	GGGG	06938E	3022N	2710-05004	60	FFGG		
07311E	3730N	2727-04522	90	F	GGGF	07113E	2016N	2707-04463	0	GGGF	06933E	5019N	2715-05232	40	FFGF		
07306E	5144N	2713-05113	0	F	GGGF	07109E	4729N	2713-05125	90	GGGG	06931E	5308N	2716-05281	80	FFFF		
07306E	2728N	2707-04443	10	GGGG		07108E	4727N	2695-05133	70	GGGG	06931E	5016N	2697-05241	70	FFGF		
07303E	5142N	2695-05122	40	GGGG		07101E	3020N	2727-04542	20	PPPP	06927E	4313N	2713-05140	70	GGFG		
07300E	2144N	2706-04403	0	PPPP		07100E	5019N	2714-05174	30	F	06926E	3440N	2711-05051	10	FFFF		
07254E	4439N	2711-05021	80	GGFG		07057E	5309N	2715-05223	20	F	06926E	2434N	2727-04560	10	PPPP		
07244E	4023N	2710-04575	90	FFGG		07057E	5016N	2696-05182	30	GGGG	06925E	4312N	2695-05145	50	GGG		
07244E	3604N	2727-04524	90	GGGF		07054E	5305N	2697-05232	90	PPPP	06923E	3857N	2712-05094	90	GGGG		
07243E	2602N	2707-04445	0	GGFG		07054E	4313N	2712-05082	90	GGGG	06912E	2856N	2710-05011	20	GGFG		
07238E	2017N	2706-04405	0	F	GGGF	07053E	3441N	2710-04593	90	GGFG	06908E	4604N	2714-05190	90	GGGG		
07236E	4730N	2712-05071	40	GGGG		07053E	2434N	2708-04510	0	GGGG	06907E	4602N	2696-05194	100	GGGG		
07225E	5019N	2713-05120	10	F	GGG	07051E	1850N	2707-04470	0	GGGF	06904E	2308N	2727-04563	10	PPPP		
07223E	5308N	2714-05165	80	GGGG		07050E	3857N	2711-05035	90	GGGG	06900E	3314N	2711-05053	20	FFFG		
07223E	5017N	2695-05124	10	GGGG		07037E	2853N	2727-04545	10	PPPP	06855E	4148N	2713-05143	80	GGGG		
07221E	4314N	2711-05024	100	GGGG		07034E	4604N	2713-05131	80	GGGG	06855E	3731N	2712-05100	90	GGGG		
07220E	5305N	2696-05173	90	GGGF		07032E	4602N	2695-05140	80	GGGG	06854E	4854N	2715-05235	20	FFGF		
07220E	2435N	2707-04452	0	GGGG		07030E	2308N	2708-04513	0	GGGG	06854E	4147N	2695-05151	80	GGGF		
07217E	3438N	2727-04531	90	GGGF		07027E	3315N	2710-04595	70	GGGG	06853E	4850N	2697-05243	80	FFFF		
07217E	1850N	2706-04412	10	PPPP		07022E	4148N	2712-05085	90	GGGG	06848E	5144N	2716-05284	40	FFFF		
07215E	3858N	2710-04581	90	GGGG		07022E	3732N	2711-05042	90	GGGG	06848E	2729N	2710-05013	30	GGGG		
07201E	4604N	2712-05073	70	GGGG		07021E	4854N	2714-05181	80	GGGG	06842E	2141N	2727-04565	10	PPPP		
07157E	2309N	2707-04454	0	GGGF		07019E	4852N	2696-05185	20	GGGG	06834E	4439N	2714-05192	50	GGGG		
07151E	3312N	2727-04533	70	FFFF		07014E	5144N	2715-05230	30	FFFF	06834E	3148N	2711-05060	30	GGGG		
07150E	4149N	2711-05030	90	GGGG		07013E	2727N	2727-04551	70	PPPP	06833E	4437N	2696-05200	100	GGGG		
07147E	4854N	2713-05122	20	FF		07012E	5141N	2697-05234	90	PPPP	06827E	3605N	2712-05103	90	GGGG		
07147E	3732N	2710-04584	100	GGGG		07008E	2141N	2708-04515	0	GGGG	06825E	4022N	2713-05145	90	GGGG		
07145E	4851N	2695-05131	20	GGFG		07001E	3148N	2710-05002	90	GGGG	06824E	4021N	2695-05154	60	GGFG		
07141E	5143N	2714-05172	20	GGGG		07000E	4439N	2713-05134	70	GGGF	06824E	2602N	2710-05020	10	GGGG		
07139E	2727N	2708-04501	70	GF		06958E	4438N	2695-05142	100	GGFG	06820E	2015N	2727-04572	10	PPPP		
07138E	5141N	2696-05180	90	GGGF		06954E	3606N	2711-05044	40	GGGG	06817E	4729N	2715-05241	20	GGFG		
07135E	2142N	2707-04461	0	GGFG		06952E	4023N	2712-05091	90	GGFG	06816E	4726N	2697-05250	30	FFFF		

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PRINCIPAL PT. OF IMAGE	LAT	LONG	OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	PRINCIPAL PT. OF IMAGE	LAT	LONG	OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	PRINCIPAL PT. OF IMAGE	LAT	LONG	OBSERVATION ID	CC %	QUALITY RBV MSS 12345678
06809E	3022N	2711-05062	10	GGGG		06632E	3438N	2695-05172	0	GGGG		06452E	2854N	2695-05190	0	GGG	
06807E	5019N	2716-05290	30	FGGG		06631E	3856N	2714-05210	90	FFFF		06449E	4603N	2717-05360	0	FFFF	
06804E	5309N	2717-05340	10	PFFP		06630E	3855N	2696-05214	70	GFGG		06447E	2309N	2712-05141	10	FFFF	
06801E	4313N	2714-05195	10	GGGG		06620E	2854N	2712-05123	70	GGGG		06443E	3313N	2714-05274	60	GGGG	
06801E	4311N	2696-05203	90	FFFF		06615E	4604N	2716-05302	10	GGGG		06441E	3311N	2696-05232	0	GGGG	
06801E	2436N	2710-05022	0	GFGG		06612E	2309N	2711-05083	10	FFFF		06437E	4148N	2716-05313	30	PPFF	
06800E	3439N	2712-05105	90	GGGG		06608E	3313N	2713-05170	60	GGGG		06436E	3730N	2715-05271	40	FGGG	
06757E	3856N	2713-05152	90	GGGG		06607E	3312N	2695-05174	0	GGGG		06434E	3727N	2697-05275	90	GFFF	
06755E	3856N	2695-05160	10	G GG		06604E	4147N	2715-05255	20	GGGG		06433E	5433N	2720-05504	30	FFGF	
06745E	2855N	2711-05065	0	FFGG		06603E	4145N	2697-05264	90	GFGG		06429E	5145N	2719-05455	40	FFFF	
06741E	4604N	2715-05244	60	GFGG		06603E	3731N	2714-05213	90	FFFF		06429E	2728N	2713-05184	40	FGGG	
06741E	4601N	2697-05252	90	PPFF		06602E	4854N	2717-05351	0	FGGF		06428E	2728N	2695-05192	0	GGGG	
06738E	2309N	2710-05025	10	FFGF		06601E	3729N	2696-05221	20	GFGG		06424E	2143N	2712-05144	20	GGGG	
06734E	3313N	2712-05112	90	GFGG		06556E	2728N	2712-05130	20	GGGG		06417E	3146N	2714-05231	40	GGGG	
06730E	4146N	2696-05205	90	GGGG		06555E	5144N	2718-05400	60	PPFF		06415E	4438N	2717-05363	20	FGGG	
06729E	3731N	2713-05154	100	GGGG		06550E	2143N	2711-05085	0	FFFF		06415E	3145N	2696-05235	0	GGGG	
06728E	4854N	2716-05293	20	FFFF		06542E	3147N	2713-05172	30	FgFG		06408E	3604N	2715-05273	70	GGGG	
06726E	3730N	2695-05163	60	GGGG		06542E	3145N	2695-05181	0	GGGG		06407E	4022N	2716-05320	60	FFFF	
06721E	2728N	2711-05071	10	GGGG		06541E	4439N	2716-05304	0	GGGG		06407E	3602N	2697-05282	80	GGGG	
06716E	2143N	2710-05031	0	FgFG		06536E	3605N	2714-05215	90	FGGG		06405E	2601N	2695-05195	0	GGGF	
06709E	3147N	2712-05114	90	GGGG		06534E	4021N	2715-05262	10	GGGG		06405E	2601N	2713-05190	30	GGGF	
06708E	4438N	2715-05250	30	GFGG		06534E	3603N	2696-05223	10	GFGG		06359E	4729N	2718-05412	30	FGGG	
06707E	4436N	2697-05255	100	FFFF		06533E	2602N	2712-05132	20	GFGG		06352E	3020N	2714-05233	70	GGGG	
06702E	3606N	2713-05161	80	GGGG		06532E	4020N	2697-05270	90	FFFF		06351E	3019N	2696-05241	10	GGGG	
06700E	4022N	2714-05204	70	GFGG		06525E	4728N	2717-05354	0	GGGG		06348E	5020N	2719-05461	30	PPFP	
06659E	4020N	2696-05212	40	FFFF		06517E	3020N	2695-05183	0	FGGG		06347E	5308N	2720-05510	40	FGGF	
06659E	3604N	2695-05165	10	GFGG		06517E	3020N	2713-05175	80	GGGG		06345E	5306N	2702-05515	90	GGGG	
06658E	2602N	2711-05074	0	GGGG		06514E	5019N	2718-05403	60	PPFP		06342E	4313N	2717-05365	30	FFFF	
06654E	2016N	2710-05034	0	FgFG		06513E	5309N	2719-05452	70	PPPG		06342E	2435N	2695-05201	0	FFFG	
06650E	4729N	2716-05295	60	GGGG		06510E	3439N	2714-05222	90	GGGG		06342E	2435N	2713-05193	40	GFGF	
06644E	3021N	2712-05121	90	GGGF		06510E	2436N	2712-05135	20	FFFF		06341E	3437N	2715-05280	10	GGGG	
06641E	5019N	2717-05345	0	PPPP		06509E	4313N	2716-05311	0	GGGG		06340E	3436N	2697-05284	60	GGGG	
06635E	4312N	2715-05253	80	GGGG		06507E	3437N	2696-05230	0	GGGG		06338E	3856N	2716-05322	90	GGGG	
06635E	3440N	2713-05163	70	GGGG		06504E	3856N	2715-05264	30	GGGG		06327E	2853N	2696-05244	10	GGGG	
06635E	2436N	2711-05080	10	FFFF		06503E	3854N	2697-05273	100	FFFF		06327E	2853N	2714-05240	70	GGGG	
06634E	4310N	2697-05261	100	FFFF		06453E	2854N	2713-05181	40	FGGG		06324E	4604N	2718-05414	70	FGGG	

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PRINCIPAL PT. OF IMAGE	OBSERVATION ID	CC %	QUALITY RBV MSS	PRINCIPAL PT. OF IMAGE	OBSERVATION ID	CC %	QUALITY RBV MSS	PRINCIPAL PT. OF IMAGE	OBSERVATION ID	CC %	QUALITY RBV MSS
LONG LAT			12345678	LONG LAT			12345678	LONG LAT			12345678
06320E 2309N	2695-05204	10	GFFG	06154E 2307N	2714-05254	10	FF F	06011E 2727N	2716-05354	30	FFFF
06319E 2308N	2713-05195	20	GGGG	06150E 3312N	2716-05340	90	FFFF	05959E 4437N	2702-05542	20	GFGG
06315E 3311N	2715-05282	60	GFGG	06147E 4148N	2718-05430	80	GFGG	05958E 3146N	2717-05401	70	GGGG
06314E 3310N	2697-05291	30	FGGG	06144E 4355N	2720-05522	20	GGGG	05957E 4440N	2720-05533	60	GGGG
06311E 4147N	2717-05372	80	GGGG	06143E 4853N	2702-05530	0	GGGG	05951E 3604N	2718-05444	80	GGGG
06310E 4855N	2719-05464	30	FFFF	06143E 3730N	2717-05383	90	GGGG	05950E 4022N	2719-05491	80	FGGG
06310E 3730N	2716-05325	90	GGGG	06139E 5434N	2722-06020	20	GGGG	05948E 2601N	2716-05361	30	FFFF
06306E 5433N	2721-05562	80	GGGG	06137E 5144N	2721-05571	70	GFGG	05941E 4730N	2721-05582	40	GGGG
06304E 5144N	2720-05513	40	GFGG	06137E 5142N	2703-05575	10	GFGG	05941E 4728N	2703-05591	0	FFGG
06303E 2727N	2696-05250	10	FGGG	06137E 2727N	2715-05300	60	GGGG	05933E 3020N	2717-05404	30	GGGG
06303E 2727N	2714-05242	30	FGGG	06137E 2726N	2697-05305	30	FGGG	05932E 5020N	2704-06040	0	FFFF
06302E 5142N	2702-05521	90	GGGG	06126E 4439N	2719-05475	90	PPPP	05931E 5309N	2705-06085	10	FFFF
06258E 2142N	2695-05210	10	FFGG	06124E 3145N	2716-05343	100	GGGG	05929E 5308N	2723-06081	30	GGGG
06257E 2141N	2713-05202	20	GGGG	06117E 4022N	2718-05432	80	GFGG	05926E 4312N	2702-05544	10	GGGG
06250E 4438N	2718-05421	90	GGGG	06115E 3604N	2717-05390	90	GGGG	05925E 4314N	2720-05540	70	GGGG
06249E 3146N	2715-05285	90	GGGG	06113E 2601N	2715-05303	50	GGGG	05925E 2435N	2716-05363	20	FFFF
06249E 3144N	2697-05293	10	FGGG	06113E 2600N	2697-05311	10	PPPP	05924E 3438N	2718-05450	50	GGGG
06242E 3604N	2716-05331	90	FGGG	06107E 4730N	2720-05524	80	GFGG	05921E 3856N	2719-05493	40	FFFF
06241E 4022N	2717-05374	90	GFGG	06107E 4727N	2702-05533	0	GGGG	05909E 2854N	2717-05410	60	GFGG
06239E 2600N	2696-05253	10	GGGG	06057E 5020N	2721-05573	60	GFGG	05905E 4604N	2721-05585	30	GGGG
06239E 2600N	2714-05245	10	FGGG	06056E 5017N	2703-05582	0	GFGG	05858E 3312N	2718-05453	30	GGGG
06234E 4730N	2719-05470	60	FFGG	06055E 5309N	2704-06031	0	FFFF	05854E 4148N	2720-05542	80	GGGG
06225E 3018N	2697-05300	10	FFFF	06053E 4314N	2719-05482	70	FFFF	05854E 4147N	2702-05551	30	GGGG
06224E 3020N	2715-05291	100	GGGG	06050E 2435N	2715-05305	40	GGGG	05853E 4855N	2704-06042	10	PPPP
06223E 5020N	2720-05515	20	GGGG	06050E 2433N	2697-05314	10	FFFF	05852E 3730N	2719-05500	10	FGGG
06221E 5018N	2702-05524	40	GGGG	06049E 3438N	2717-05392	80	GGGG	05851E 4855N	2722-06034	70	G FF
06220E 5309N	2721-05564	80	GGGG	06048E 3857N	2718-05435	60	GGGG	05848E 5145N	2705-06092	0	F FF
06219E 5306N	2703-05573	10	FGGG	06035E 2853N	2716-05352	60	FFFF	05846E 5144N	2723-06083	10	FGGG
06218E 4313N	2718-05423	90	GGGG	06033E 4602N	2702-05535	0	GGGG	05845E 2727N	2717-05413	90	GGGG
06217E 2434N	2696-05255	20	FFFF	06031E 4605N	2720-05531	50	GFGG	05833E 4437N	2703-06000	60	GGGG
06217E 2434N	2714-05251	10	FFFF	06023E 3312N	2717-05395	30	GGGG	05831E 4439N	2721-05591	20	FFFF
06216E 3438N	2716-05334	90	FFFF	06019E 3731N	2718-05441	80	GGGG	05824E 4022N	2720-05545	80	GGGG
06211E 3856N	2717-05381	90	GGGG	06018E 4855N	2721-05580	30	GGGG	05824E 4021N	2702-05553	70	FGGG
06201E 2852N	2697-05302	30	FFFF	06018E 4853N	2703-05584	0	FFGG	05824E 3604N	2719-05502	20	GGGG
06200E 2853N	2715-05294	90	GGGG	06015E 5433N	2723-06074	90	FFGG	05821E 2601N	2717-05415	80	GGGG
06155E 2308N	2696-05262	80	GFGG	06013E 5145N	2704-06033	0	FFF	05814E 4730N	2722-06041	30	FGGG

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G = GOOD. P = POOR. F = FAIR.

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
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PAGE 0081

PRINCIPAL PT. OF IMAGE	OBSERVATION ID	CC %	QUALITY RBV MSS	PRINCIPAL PT. OF IMAGE	OBSERVATION ID	CC %	QUALITY RBV MSS	PRINCIPAL PT. OF IMAGE	OBSERVATION ID	CC %	QUALITY RBV MSS			
LONG LAT			12345678	LONG LAT			12345678	LONG LAT			12345678			
05808E	3020N	2718-05462	0	PPPP	05617E	4606N	2705-06110	90	FFGF	05433E	3731N	2722-06070	80	GGGG
05807E	5020N	2705-06094	10	FFFF	05616E	2853N	2719-05523	10	GGGG	05414E	4439N	2706-06170	80	GGGF
05805E	5019N	2723-06090	10	FGGF	05613E	4604N	2723-06101	50	FGGG	05408E	3607N	2704-06081	80	FFFF
05804E	5309N	2706-06143	0	GGGG	05605E	3312N	2702-05574	60	GGGG	05406E	3605N	2722-06073	50	GGGG
05800E	4312N	2703-06002	20	GFGG	05605E	3312N	2720-05545	10	GGGF	05356E	4728N	2707-06215	90	GGGG
05759E	4313N	2721-05594	10	GGGG	05604E	4149N	2704-06063	80	FFFF	05341E	4314N	2706-06173	100	GGGF
05757E	3438N	2719-05505	10	GGGG	05601E	4148N	2722-06055	60	FGGG	05321E	4604N	2707-06222	90	GGGG
05754E	3856N	2702-05560	80	GGGG	05600E	4855N	2706-06155	80	GPFG	05310E	4148N	2706-06175	90	FGGF
05754E	3856N	2720-05551	20	GGGG	05600E	3731N	2721-06012	40	GGGG	05307E	4853N	2708-06271	10	PPPP
05743E	2853N	2718-05464	10	FFFG	05600E	3730N	2703-06020	30	FGGG	05247E	4438N	2707-06224	90	GGFF
05741E	4606N	2704-06051	90	FF	05552E	5143N	2707-06204	80	FFGG	05231E	4728N	2708-06274	10	FFFF
05739E	4605N	2722-06043	10	GGGF	05543E	4441N	2705-06112	90	FGGF	05218E	5018N	2727-06315	20	F3FF
05731E	3312N	2719-05511	10	FGGG	05540E	4439N	2723-06104	40	GGGG	05155E	4603N	2708-06280	90	FFFF
05729E	4855N	2705-06101	70	PPFF	05540E	3146N	2702-05580	70	FGGG	05135E	5145N	2710-06374	0	GGGG
05727E	4148N	2721-06000	100	GGGG	05539E	3146N	2720-05572	10	FGGF	05121E	4438N	2708-06283	100	PPPP
05726E	4854N	2723-06092	20	FGGG	05533E	4024N	2704-06065	100	FFFF	05113E	4022N	2707-06240	80	GGGG
05726E	3730N	2702-05562	90	GGGG	05532E	3605N	2721-06014	50	GGGG	05111E	4022N	2725-06232	70	GGGG
05725E	3730N	2720-05554	10	GGGG	05532E	3604N	2703-06023	80	GFGG	05103E	4728N	2727-06324	40	PPPP
05721E	5144N	2705-06130	0	GGGG	05531E	4023N	2722-06061	80	GGGG	05049E	4312N	2708-06285	90	FFFF
05719E	2727N	2718-05471	10	FFFG	05523E	4730N	2706-06151	100	GGF	05027E	4603N	2727-06330	10	FGGP
05707E	4440N	2704-06054	90	FFFF	05515E	3020N	2702-05583	30	GGGG	05009E	5144N	2711-06433	0	GGGG
05705E	4439N	2722-06050	20	GGGF	05514E	3020N	2720-05574	20	GGGG	05007E	5142N	2729-06425	0	GF
05705E	3146N	2719-05514		GGGG	05511E	5019N	2707-06210	90	GGFF	04947E	4021N	2708-06294	90	GGGG
05658E	3604N	2702-05565	90	GGGG	05510E	4315N	2705-06115	100	FGGF	04945E	4022N	2726-06290	60	GGGG
05658E	3604N	2720-05560	10	FGGG	05507E	4314N	2723-06110	30	GGGG	04918E	3856N	2708-06301	90	GGGG
05657E	4022N	2721-06003	90	GGGG	05505E	3439N	2721-06021	90	GGGG	04916E	3856N	2726-06292	70	FGGG
05649E	4729N	2723-06095	30	FGGF	05505E	3438N	2703-06025	40	FFGF	04849E	4147N	2727-06342	40	GGGG
05640E	3020N	2719-05520	10	GGGG	05504E	3858N	2704-06072	90	FFFF	04725E	4149N	2710-06404	40	GGGG
05639E	5020N	2706-06152	10	GGGG	05502E	3857N	2722-06064	80	GGGG	04723E	4146N	2728-06400	70	GGGF
05635E	5308N	2707-06201	70	GPFG	05448E	4605N	2706-06164	60	GGGG	04655E	4024N	2710-06410	90	GGGF
05635E	4315N	2704-06060	90	FFFF	05439E	3313N	2721-06023	100	GGGG	04653E	4020N	2728-06402	90	GGGG
05632E	4314N	2722-06052	40	FGGG	05439E	3312N	2703-06032	10	FFGF	04647E	4729N	2712-06502	0	GGGG
05631E	3439N	2702-05571	80	GFGG	05438E	4149N	2705-06121	90	GGGF	04644E	4727N	2730-06494	0	GGGG
05631E	3438N	2720-05563	10	GFGF	05435E	4148N	2723-06113	10	GGGF	04632E	4313N	2711-06460	20	GGGG
05628E	3857N	2721-06005	80	GGGG	05435E	3732N	2704-06074	70	FFFF	04629E	4311N	2729-06452	30	GGGG
05628E	3855N	2703-06014	10	FGG	05433E	4854N	2707-06213	90	GGGG	04626E	3858N	2710-06413	80	GGGG

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G = GOOD. P = POOR. F = FAIR.



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COORDINATE LISTING  
FOR N6N-05  
FROM 01/01/77 TO 01/31/77

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PRINCIPAL PT. 8F IMAGE	OBSERVATION ID	CC %	QUALITY RBY MSS	PRINCIPAL PT. 8F IMAGE	OBSERVATION ID	CC %	QUALITY RBY MSS	PRINCIPAL PT. 8F IMAGE	OBSERVATION ID	CC %	QUALITY RBY MSS
LONG LAT			12345678	LONG LAT			12345678	LONG LAT			12345678
04624E 3855N	2728-06405	70	GGGG	04153E 4604N	2715-07075	10	GGGG	03303E 4855N	2722-07470	70	GGGG
04612E 4604N	2712-06505	0	GGGG	04139E 4854N	2716-07125	10	GGGG	03258E 5432N	2724-07564	10	GGGG
04610E 4503N	2730-06501	0	GGGG	04119E 4438N	2715-07082	40	GGGG	03241E 4438N	2721-07423	30	GGGG
04607 4148N	2711-06462	70	GGGG	04102E 4729N	2714-07131	80	FFFF	03226E 4730N	2704-07480	10	GGGG
04588E 4146N	2729-06454	70	GGGG	04052E 5019N	2717-07180	10	GGGG	03225E 4729N	2722-07472	70	GGGG
04538E 4438N	2712-06511	0	GGGG	04049E 5308N	2718-07225	80	GGGG	03217E 5020N	2705-07530	10	FFFF
04536E 4438N	2730-06503	10	GGGG	04027E 4604N	2716-07134	30	GGGG	03214E 5019N	2723-07521	20	GGGG
04530E 4023N	2711-06465	90	GGGG	04014E 4854N	2717-07183	30	GGGG	03212E 5308N	2724-07571	10	GGGG
04527E 4020N	2729-06461	30	GGGG	04006E 5144N	2718-07232	80	GGGG	03151E 4605N	2704-07483	20	GGGG
04520E 4728N	2713-06560	0	GGGG	03954E 4439N	2716-07140	20	GGGG	03149E 4604N	2722-07475	80	GGGG
04517E 4727N	2731-06552	80	FFFF	03937E 4730N	2717-07185	20	GGGG	03138E 4855N	2705-07532	20	GGGG
04505E 4313N	2712-06514	10	GGGG	03926E 5308N	2719-07284	30	GGGG	03135E 4854N	2723-07524	30	GGGG
04504E 4312N	2730-06510	30	GGGG	03925E 5019N	2718-07234	80	FFFF	03129E 5143N	2724-07573	10	GGGG
04500E 3857N	2711-06471	90	GGGG	03902E 4604N	2717-07192	30	GGGG	03101E 4730N	2705-07535	10	GGGG
04458E 3855N	2729-06463	50	GGGG	03846E 4854N	2718-07241	80	GGGG	03058E 4729N	2723-07530	80	GGGG
04444E 4603N	2713-06563	0	GGGG	03843E 5143N	2719-07290	50	GGGG	03048E 5019N	2724-07580	10	GGGG
04443E 4602N	2731-06555	90	GGGG	03828E 4439N	2717-07194	60	GGGG	03046E 5307N	2725-08025	0	GGGG
04434E 4148N	2712-06520	40	GGGG	03809E 4729N	2718-07243	80	GGGG	03027E 4604N	2705-07541	10	GGGG
04433E 4146N	2730-06512	70	GGGG	03802E 5019N	2719-07293	60	GGGG	03023E 4604N	2723-07533	80	GGGG
04431E 4853N	2714-07012	100	GGGG	03734E 4604N	2718-07250	90	GGGG	03012E 4854N	2706-07590	0	GGGG
04429E 4852N	2732-07004	50	FFFF	03722E 4854N	2719-07295	70	GGGG	03009E 4854N	2724-07582	10	GGGG
04410E 4439N	2713-06565	10	GGGG	03700E 4439N	2718-07252	90	GGGG	02935E 4729N	2706-07593	0	GGGG
04409E 4437N	2731-06561	100	GGGG	03645E 4729N	2719-07302	30	GGGG	02933E 4729N	2724-07585	10	GGGG
04403E 4022N	2712-06523	20	GGGG	03610E 4604N	2719-07304	10	GGGG	02859E 4604N	2706-07595	0	GGGG
04402E 4020N	2730-06515	30	GGGG	03555E 4854N	2720-07353	50	GGGG	02857E 4604N	2724-07591	90	GGGG
04354E 4728N	2714-07015	50	GGGG	03536E 4438N	2719-07311	30	GGGG	02837E 5141N	2708-08094	30	GGGG
04342E 5308N	2716-07113	20	GGGG	03519E 4729N	2720-07360	30	GGGG	02809E 4727N	2707-08051	10	GGGG
04337E 4313N	2713-06572	10	GGGG	03443E 4604N	2720-07362	80	GGGG	02807E 4728N	2725-08043	60	GGGG
04337E 4312N	2731-06564	60	GGGG	03427E 4854N	2721-07412	20	GGGG	02757E 5016N	2708-08100	90	GGGG
04318E 4602N	2714-07021	60	GGGG	03423E 5145N	2704-07465	30	GGGG	02756E 5017N	2726-08092	30	GGGG
04305E 4854N	2715-07070	90	GGGG	03409E 4438N	2720-07365	20	GGGG	02754E 5307N	2727-08141	0	GGGG
04259E 5144N	2716-07120	30	GGGG	03351E 4729N	2721-07414	30	GGGG	02733E 4603N	2707-08054	10	GGGG
04244E 4437N	2714-07024	40	GGGG	03342E 5020N	2704-07471	10	GGGG	02732E 4603N	2725-08045	90	GGGG
04244E 4436N	2732-07020	60	GGGG	03341E 5019N	2722-07463	60	GGGG	02718E 4852N	2708-08103	100	GGGG
04228E 4730N	2715-07073	60	GGGG	03315E 4604N	2721-07421	50	GGGG	02717E 4852N	2726-08095	50	GGGG
04218E 5019N	2716-07122	20	GGGG	03303E 4855N	2704-07474	0	GGGG	02711E 5143N	2727-08144	0	GGGG

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
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FOR NON-US  
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PRINCIPAL PT. OF IMAGE	OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	PRINCIPAL PT. OF IMAGE	OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	PRINCIPAL PT. OF IMAGE	OBSERVATION ID	CC %	QUALITY RBV MSS 12345678
LONG LAT				LONG LAT				LONG LAT			
02641E 4727N	2708-08105	90	GGGG	05100W 4315N	2707-13161	80	GGGG	05410W 4606N	2710-13323	30	GGGG
02640E 4727N	2726-08101	60	GGGF	05102W 4313N	2725-13153	90	GGGG	05413W 4604N	2728-13315	40	GGGG
02630E 5018N	2727-08150	10	GGGG	05121W 4603N	2708-13210	80	GGGG	05425W 4147N	2709-13280	50	GGGG
02629E 5310N	2728-08195	0	GGGG	05122W 4604N	2726-13202	80	GGGG	05426W 4855N	2711-13372	10	GGGG
02546E 5146N	2728-08202	0	FFGG	05132W 4149N	2707-13164	90	GGGG	05428W 4854N	2729-13364	90	FFGG
02545E 5144N	2710-08210	90	GGGF	05135W 4854N	2727-13251	10	GGGG	05433W 5432N	2731-13462	60	GGGG
02510E 5557N	2730-08303	10	FFGG	05135W 4853N	2709-13260	10	GGGF	05433W 5145N	2712-13421	90	GGGF
02505E 5021N	2728-08204	10	GGGG	05139W 5145N	2710-13305	80	GGGG	05437W 5142N	2730-13413	90	GGGG
02504E 5019N	2710-08212	70	GGGG	05142W 5143N	2728-13301	60	GGGG	05444W 4440N	2710-13325	40	GGGG
02426E 4855N	2710-08215	60	GGGG	05155W 4438N	2708-13213	80	GGGG	05504W 4729N	2711-13374	10	GGGG
02349E 4730N	2710-08221	20	GGGG	05156W 4439N	2726-13205	80	GGGG	05505W 4729N	2729-13370	90	FFGG
02339E 5018N	2711-08271	90	GGGG	05212W 4729N	2727-13254	10	GGGG	05512W 5556N	2732-13514	80	FFGG
02338E 5020N	2729-08263	70	GGGF	05220W 5020N	2710-13311	80	GGGG	05514W 5021N	2712-13424	90	FFGG
04751W 4730N	2706-13092	100	GGGG	05222W 5018N	2728-13303	40	GGGG	05517W 5309N	2713-13473	20	FFFF
04827W 4605N	2706-13094	100	GGGG	05224W 5309N	2711-13360	90	FFGG	05517W 5018N	2730-13420	90	FFGG
04842W 4856N	2707-13143	90	GGGG	05226W 5307N	2729-13352	100	FFGG	05517W 4315N	2710-13332	80	GGGG
04842W 4855N	2725-13135	90	GGGG	05228W 4313N	2708-13215	80	FFFF	05519W 5307N	2731-13465	90	GGGG
04900W 4439N	2706-13101	100	GGGG	05229W 4313N	2726-13211	80	GGGG	05520W 4313N	2728-13324	40	GGGG
04919W 4731N	2707-13150	60	GGGG	05247W 4604N	2727-13260	10	FFGG	05539W 4604N	2711-13381	40	GGGG
04919W 4730N	2725-13142	90	GGGG	05247W 4603N	2709-13265	30	GGGG	05540W 4603N	2729-13373	90	GGGF
04932W 5019N	2726-13191	30	GGGG	05259W 4855N	2710-13314	80	GGGG	05549W 4150N	2710-13334	80	GGGG
04932W 5018N	2708-13195	90	GGGG	05259W 4147N	2708-13222	70	GGGG	05551W 4147N	2728-13330	60	GGGG
04932W 4313N	2706-13103	100	GGGG	05300W 4854N	2728-13310	30	GGGG	05552W 4856N	2712-13430	90	FFGG
04954W 4605N	2707-13152	10	GGGG	05300W 4148N	2726-13214	60	GGGG	05556W 4853N	2730-13422	90	GGGG
04956W 4604N	2725-13144	80	GGGG	05307W 5144N	2711-13363	100	GGGG	05600W 5431N	2732-13520	90	GGG
05004W 4148N	2706-13110	70	GGGG	05309W 5431N	2730-13404	90	FFGG	05600W 5145N	2713-13475	10	FFGG
05010W 4854N	2726-13193	10	GGGG	05309W 5143N	2729-13355	100	FFGG	05601W 5142N	2731-13471	30	GGGG
05010W 4853N	2708-13201	80	FFGG	05321W 4438N	2709-13271	40	GGGG	05613W 4439N	2711-13383	60	GGGG
05015W 5143N	2709-13251	30	GGGG	05335W 4730N	2710-13320	70	GGGG	05614W 4438N	2729-13375	80	GGGP
05015W 5143N	2727-13242	90	GGGG	05337W 4729N	2728-13312	20	GGGG	05629W 4731N	2712-13433	90	GGGG
05028W 4440N	2707-13155	30	GGGG	05347W 5020N	2711-13365	80	GGGG	05632W 4728N	2730-13425	90	GGGG
05029W 4438N	2725-13151	90	GGGG	05349W 5018N	2729-13361	100	GGGF	05637W 5556N	2733-13572	90	GGGG
05046W 4728N	2708-13204	90	GGGG	05351W 5309N	2712-13415	90	FFGG	05641W 5018N	2731-13474	30	GGGG
05047W 4730N	2726-13200	80	GGGG	05352W 4314N	2727-13265	50	GGGG	05643W 5309N	2714-13531	100	GGG
05056W 5019N	2727-13245	50	GGGG	05354W 5307N	2730-13411	90	GGGG	05644W 5307N	2732-13523	50	F
05056W 5018N	2709-13253	30	GGGG	05354W 4312N	2709-13274	50	GGGG	05645W 4314N	2711-13390	70	GGGG

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G = GOOD, P = POOR, F = FAIR.



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PRINCIPAL PT. OF IMAGE				OBSERVATION ID	CC %	QUALITY RBV MSS	PRINCIPAL PT. OF IMAGE				OBSERVATION ID	CC %	QUALITY RBV MSS	PRINCIPAL PT. OF IMAGE				OBSERVATION ID	CC %	QUALITY RBV MSS	
LONG	LAT						LONG	LAT						LONG	LAT						
05647W	4312N	2729-13382	90	GGGG	12345678		05936W	5309N	2716-14043	10	FFGG			06301W	4148N	2715-14021	80	GGGG			
05704W	4605N	2712-13435	100	GGGG			05937W	4314N	2713-13502	90	FFGG			06303W	4146N	2733-14013	90	GGGG			
05707W	4603N	2730-13431	90	GGGG			05938W	5307N	2734-14035	40	GGGG			06304W	3730N	2732-13570	80	GGGF			
05717W	4148N	2711-13392	60	GGGG			05939W	4312N	2731-13494	80	GGGG			06307W	5145N	2718-14162	70	GGGG			
05718W	4147N	2729-13384	90	GGGG			05955W	4605N	2714-13551	100	GGGG			06324W	4439N	2716-14070	90	GGGG			
05719W	4855N	2713-13484	80	GGGG			05958W	4603N	2732-13543	90	GGGF			06326W	4438N	2734-14062	90	GGFG			
05720W	4853N	2731-13480	30	GGGG			06008W	4149N	2713-13505	90	GGGG			06333W	4021N	2733-14020	80	GGFG			
05724W	5432N	2733-13575	80	FFGG			06010W	4147N	2731-13501	90	GGGG			06348W	5020N	2718-14165	40	GGGG			
05725W	5144N	2714-13533	90	GGGG			06012W	4855N	2715-14001	60	GGGG			06356W	4314N	2716-14073	100	GGFG			
05727W	5143N	2732-13525	50	F			06013W	4853N	2733-13593	10	GGGG			06358W	4312N	2734-14065	70	GGGG			
05738W	4440N	2712-13442	100	GGGG			06019W	5144N	2716-14050	10	GGGG			06402W	3855N	2733-14022	70	GGGG			
05741W	4438N	2730-13434	60	GGGG			06020W	5143N	2734-14042	30	GGGG			06416W	4605N	2717-14122	90	GGG			
05755W	4730N	2713-13491	90	GGGG			06029W	4440N	2714-13554	100	GGGG			06426W	4856N	2718-14171	40	GGGG			
05757W	4728N	2731-13483	80	GGGG			06032W	4438N	2732-13550	80	GF			06427W	4149N	2716-14075	90	GGFG			
05805W	5555N	2734-14030	30	FFGG			06049W	4729N	2715-14003	60	GGGG			06430W	4147N	2734-14071	70	G GG			
05805W	5019N	2714-13540	90	GGGG			06050W	4728N	2733-13595	10	GGGG			06430W	3729N	2733-14025	80	GGGG			
05807W	5018N	2732-13532	90	GGGF			06100W	5020N	2716-14052	10	GGGG			06432W	4854N	2736-14163	40	FFGG			
05809W	5308N	2733-13581	40	GGGG			06101W	5019N	2734-14044	50	GGGG			06449W	4439N	2717-14125	90	GGGG			
05810W	5308N	2715-13585	20	GGGG			06102W	4314N	2714-13560	100	GGGG			06451W	4438N	2735-14121	80	FG			
05811W	4314N	2712-13444	90	GGGG			06105W	4312N	2732-13552	90	GGGF			06500W	4021N	2734-14074	90	GGGG			
05814W	4313N	2730-13440	80	GGGG			06124W	4604N	2715-14010	30	GGGG			06522W	4314N	2717-14131	90	GGG			
05830W	4605N	2713-13493	80	FFGG			06126W	4602N	2733-14002	60	GGGG			06524W	4312N	2735-14123	90	FFGG			
05833W	4603N	2731-13485	70	GGGG			06134W	4148N	2714-13563	90	GGGG			06529W	3855N	2734-14080	90	GGGF			
05843W	4855N	2714-13542	90	GGGG			06136W	4147N	2732-13555	90	GGGF			06553W	4148N	2717-14134	90	GG			
05843W	4148N	2712-13451	90	GGGG			06139W	4855N	2716-14055	80	GGGG			06555W	4855N	2701-14234	20	GGGG			
05846W	4853N	2732-13534	60	GGGF			06139W	4854N	2734-14051	50	GGGG			06555W	4147N	2735-14130	90	GGGG			
05846W	4147N	2730-13443	60	GGGG			06158W	4439N	2715-14012	20	GGGG			06556W	4855N	2719-14225	10	GGGG			
05852W	5144N	2715-13592	10	GGGG			06200W	4437N	2733-14004	90	GG			06557W	3729N	2734-14083	90	GGGG			
05853W	5431N	2734-14033	10	GGGG			06206W	4021N	2732-13561	80	FFGG			06623W	4023N	2717-14140	90	GGGG			
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05904W	4440N	2713-13500	100	FFGG			06217W	4728N	2734-14053	90	GGGG			06652W	3857N	2717-14143	90	GGGG			
05906W	4438N	2731-13492	30	GGGG			06230W	4313N	2715-14015	70	GGGG			06654W	3855N	2735-14135	80	GGGG			
05919W	4730N	2714-13545	100	GGGG			06232W	4312N	2733-14011	80	GGGG			06718W	4149N	2718-14192	70	GG			
05923W	4728N	2732-13541	70	GGGF			06235W	3856N	2732-13564	80	GGGF			06722W	4147N	2736-14184	90	GGGF			
05933W	5020N	2715-13594	20	GGGG			06251W	4605N	2716-14064	70	GGGG			06723W	3729N	2735-14141	90	GGGG			
05934W	5018N	2733-13590	10	GGGG			06252W	4603N	2734-14060	70	GGGG			06749W	4023N	2718-14194	30	FFGG			

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G = GOOD. P = POOR. F = FAIR.

18:23 FEB 17, 77

LANDSAT-2  
COORDINATE LISTING  
FOR NNN-JS  
FROM 01/01/77 TO 01/31/77

PAGE 0085

PRINCIPAL PT. OF IMAGE	OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	PRINCIPAL PT. OF IMAGE	OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	PRINCIPAL PT. OF IMAGE	OBSERVATION ID	CC %	QUALITY RBV MSS 12345678
LONG LAT				LONG LAT				LONG LAT			
0753W 4020N	2736-14190	90	F G G G	07432W 4855N	2707-14575	90	G G G G	10527W 5021N	2711-17033	80	F G G G
06818W 3857N	2718-14201	80	G G G G	07433W 0422N	2716-14184	20	G G G G	10528W 5018N	2729-17025	80	G G G G
06822W 3855N	2736-14193	70	G G G G	07439W 2727N	2720-14345	60	G G G G	10533W 5306N	2730-17074	70	G G G F
06847W 4856N	2721-14342	30	G G G G	07453W 0255N	2716-14191	40	G G G G	10612W 5432N	2731-17125	100	F G G F
06945W 3857N	2701-14263	60	G G F F	07502W 2601N	2720-14352	60	G F	10616W 5142N	2730-17080	80	G G G G
07014W 3731N	2701-14270	90	F F G F	07513W 0128N	2716-14193	50	G G G G	10652W 5019N	2712-17091	90	G G G G
07014W 3731N	2719-14261	90	G G	07516W 3021N	2721-14394	80	G G G G	10656W 5017N	2730-17083	90	F G G G
07041W 3606N	2701-14272	80	G F F G	07525W 2435N	2720-14354	50	G G F G	10657W 5307N	2731-17132	80	F G G G
07042W 3605N	2719-14264	90	G G G G	07540W 2855N	2721-14401	70	G F G G	10740W 5143N	2731-17134	40	G G G F
07108W 3439N	2701-14275	90	G G G F	07548W 2308N	2720-14361	40	G G G F	10819W 5019N	2713-17145	70	G G F F
07108W 3439N	2719-14270	60	G G G G	07604W 2729N	2721-14403	80	G G	10820W 5019N	2731-17141	10	G G G G
07134W 3313N	2719-14273	40	G G G G	07627W 2602N	2721-14410	30	G G G G	10904W 2727N	2726-16522	10	G G G G
07200W 3147N	2719-14275	50	G G G G	07647W 5018N	2709-15085	70	G G G G	10927W 2601N	2726-16524	40	G G
07225W 3021N	2719-14282	50	G G G G	07650W 2436N	2721-14412	40	G G F G	10945W 5019N	2714-17203	90	G G G G
07235W 3439N	2720-14325	90	G G G G	07754W 2602N	2722-14464	30	G G	10950W 2434N	2726-16531	60	G G G G
07249W 2854N	2719-14284	30	G G G G	07816W 2436N	2722-14471	30	G G G G	11012W 2307N	2726-16533	90	G G G P
07301W 3313N	2720-14331	90	G G G G	08525W 5017N	2733-15422	80	G G G G	11032W 5145N	2715-17255	100	G G G
07306W 4855N	2724-14512	30	G G G G	08946W 5018N	2736-15592	10	G G G G	11112W 5020N	2715-17261	90	G G G G
07308W 4856N	2706-14521	10	G G G G	09445W 5144N	2722-16223	40	G G G	11113W 5018N	2733-17253	50	G G G
07313W 2728N	2719-14291	30	F G G G	09525W 5020N	2722-16225	70	G G F G	11403W 5019N	2717-17374	60	G G G G
07313W 1008N	2716-14170	10	G G G G	09821W 2435N	2718-16073	90	G G F G	11524W 3021N	2713-17204	90	G G G G
07326W 3146N	2720-14334	80	G G G G	09903W 5144N	2725-16393	10	G G G F	11527W 3019N	2731-17200	40	G G G G
07333W 0841N	2716-14173	20	G G G G	09944W 5019N	2725-16400	10	G G G G	11948W 5310N	2722-18052	90	G F G F
07336W 2602N	2719-14293	30	G G G G	10110W 5019N	2708-16462	90	G F G G	12031W 5145N	2722-18054	90	G F G G
07351W 3020N	2720-14340	80	G G G G	10111W 5019N	2726-16454	0	G G G G	12112W 5021N	2722-18061	40	G G G G
07353W 0714N	2716-14175	20	G G G G	10234W 5019N	2727-16512	90	G G G	12311W 3312N	2719-17540	70	G G G G
07354W 5020N	2707-14572	10	G G G G	10320W 5143N	2728-16564	10	F G G G	12406W 5020N	2724-18173	70	G G G G
07358W 2435N	2719-14300	20	G G G G	10400W 5018N	2728-16570	0	G G G G	13120W 5307N	2730-18505	80	G G G G
07413W 0548N	2716-14182	30	G G G G	10447W 5431N	2730-17071	80	G G G G	13203W 5143N	2730-18512	90	F G G G
07415W 2854N	2720-14343	70	G G G G	10447W 5143N	2729-17022	40	F F G G				

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IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G = GOOD. P = POOR. F = FAIR.

## APPENDIX

### EXPLANATION OF OBSERVATION ID

The day after the 999th day of operation of LANDSAT 1, the first digit of the observation ID becomes a 5, signifying that the 1000th day of operation has been reached. The next three digits, which correspond to the count of days since launch, return to 000. On each day thereafter the count, as before, increases by one. The ID format for LANDSAT 1 is illustrated below:

1000 - hhmmms

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1998 - hhmmms

1999 - hhmmms

April 18, 1975

5000 - hhmmms

April 19, 1975

5001 - hhmmms (Days since launch equal 1001)

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The same general identification procedure will be used for LANDSAT 2 imagery. The day after the 999th day of operation of LANDSAT 2, the first digit of the observation ID becomes a 6, and the next three digits return to 000 as explained above. An illustration follows:

2000 - hhmmms

--      0115

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2999 - hhmmms

6000 - hhmmms

6001 - hhmmms (Days since launch equal 1001)

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Key:    hh = hours  
         mm = minutes  
         s = tens of seconds